

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055806.D
 Acq On : 24 May 2019 19:28
 Operator : JC/SP
 Sample : VN0524WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:13 AM

Quant Time: May 25 04:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59416	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	320071	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	279345	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	112036	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	12.40	95	123026	28.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.37%
63) Toluene-d8	10.09	98	381718	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	47787	18.344 ug/l	96
3) Chloromethane	2.06	50	66952	18.068 ug/l	100
4) Vinyl Chloride	2.18	62	72961	19.292 ug/l	99
5) Bromomethane	2.54	94	51941	23.458 ug/l	99
6) Chloroethane	2.69	64	46134	20.882 ug/l	97
7) Trichlorofluoromethane	3.01	101	96640	20.368 ug/l	100
8) Diethyl Ether	3.40	74	43106	20.667 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58661	19.567 ug/l	98
10) 1,1-Dichloroethene	3.72	96	61241	19.527 ug/l	95
11) Methyl Iodide	3.94	142	91258	20.398 ug/l	98
12) Methyl Acetate	4.33	43	68511	17.862 ug/l	99
13) Acrolein	3.60	56	48964	91.874 ug/l	96
14) Acrylonitrile	4.99	53	165031	94.374 ug/l	99
15) Acetone	3.82	58	43934	80.896 ug/l	97
16) Carbon Disulfide	4.04	76	162221	18.041 ug/l	99
17) Allyl chloride	4.31	41	98955	17.519 ug/l	95
18) Methylene Chloride	4.55	84	69940	19.472 ug/l	96
19) trans-1,2-Dichloroethene	5.03	96	66146	19.606 ug/l	96
20) Diisopropyl ether	5.96	45	200637	18.311 ug/l	97
21) 1,1-Dichloroethane	5.84	63	118357	19.112 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	77227	19.627 ug/l	95
23) tert-Butyl Alcohol	4.82	59	70036	91.194 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	203044	19.081 ug/l	98
25) Chloroform	7.37	83	118783	19.421 ug/l	99
26) Cyclohexane	7.65	56	104824	18.348 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	88046	19.650 ug/l	99
30) 2-Butanone	6.84	43	215711	90.322 ug/l	98
31) 2,2-Dichloropropane	6.82	77	80420	15.423 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	104812	19.735 ug/l	99
33) Carbon Tetrachloride	7.77	117	91965	19.358 ug/l	96
34) Benzene	8.04	78	274830	19.867 ug/l	99
35) Methacrylonitrile	7.18	41	43375	19.677 ug/l	95
36) 1,2-Dichloroethane	8.12	62	89347	19.764 ug/l	100
37) Trichloroethene	8.83	130	78272	20.279 ug/l	97
38) Methylcyclohexane	9.08	83	105245	18.539 ug/l	97
39) 1,2-Dichloropropane	9.12	63	71227	19.153 ug/l	97
40) Dibromomethane	9.21	93	47987	19.983 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93613	19.021	ug/l	99
42) Vinyl Acetate	5.90	43	853125	92.006	ug/l	98
43) Ethyl Acetate	6.93	43	87664	18.674	ug/l #	100
44) Isopropyl Acetate	8.17	43	142206	18.294	ug/l #	86
45) 1,4-Dioxane	9.21	88	28553	390.435	ug/l	95
46) Methyl methacrylate	9.20	41	69854	19.260	ug/l	99
47) n-amyl Acetate	12.07	43	114578	17.820	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	94966	17.480	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	107679	18.108	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	70136	20.062	ug/l	99
51) Ethyl methacrylate	10.43	69	106605	18.919	ug/l	99
52) 1,3-Dichloropropane	10.71	76	112777	19.571	ug/l	100
53) Dibromochloromethane	10.90	129	78362	18.975	ug/l	99
54) 1,2-Dibromoethane	11.00	107	72434	20.023	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	192521	87.812	ug/l	98
56) Bromoform	12.13	173	59959	17.700	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	438794	94.886	ug/l	98
59) 2-Hexanone	10.75	43	304904	92.226	ug/l	99
61) Tetrachloroethene	10.63	164	80533	21.297	ug/l	97
62) Toluene	10.16	91	305624	20.345	ug/l	99
64) Chlorobenzene	11.43	112	186425	20.458	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	73066	19.901	ug/l	99
66) Ethyl Benzene	11.51	91	327906	19.978	ug/l	99
67) m/p-Xylenes	11.62	106	250313	40.146	ug/l	99
68) o-Xylene	11.95	106	126582	20.516	ug/l	97
69) Styrene	11.96	104	198219	19.473	ug/l	98
70) Isopropylbenzene	12.25	105	326538	20.227	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97616	19.648	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	80949m	18.931	ug/l	
73) Bromobenzene	12.53	156	86427	20.237	ug/l	94
74) n-propylbenzene	12.59	91	334587	19.217	ug/l	99
75) 2-Chlorotoluene	12.67	91	210646	19.806	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	264058	19.789	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25551	15.044	ug/l	93
78) 4-Chlorotoluene	12.77	91	194323	19.279	ug/l	99
79) tert-butylbenzene	12.99	119	238584	20.338	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	261007	19.704	ug/l	100
81) sec-Butylbenzene	13.17	105	294613	19.766	ug/l	100
82) p-Isopropyltoluene	13.29	119	264151	19.257	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	129825	19.392	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	120317	18.871	ug/l	100
85) n-Butylbenzene	13.61	91	186056	17.435	ug/l	99
86) Hexachloroethane	13.87	117	46613	17.277	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	132862	19.708	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16475	17.496	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	59025	16.220	ug/l	100
90) Hexachlorobutadiene	15.01	225	48868	17.998	ug/l	98
91) Naphthalene	15.13	128	163020	16.396	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	65170	17.136	ug/l	98

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0524WBSD01

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QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

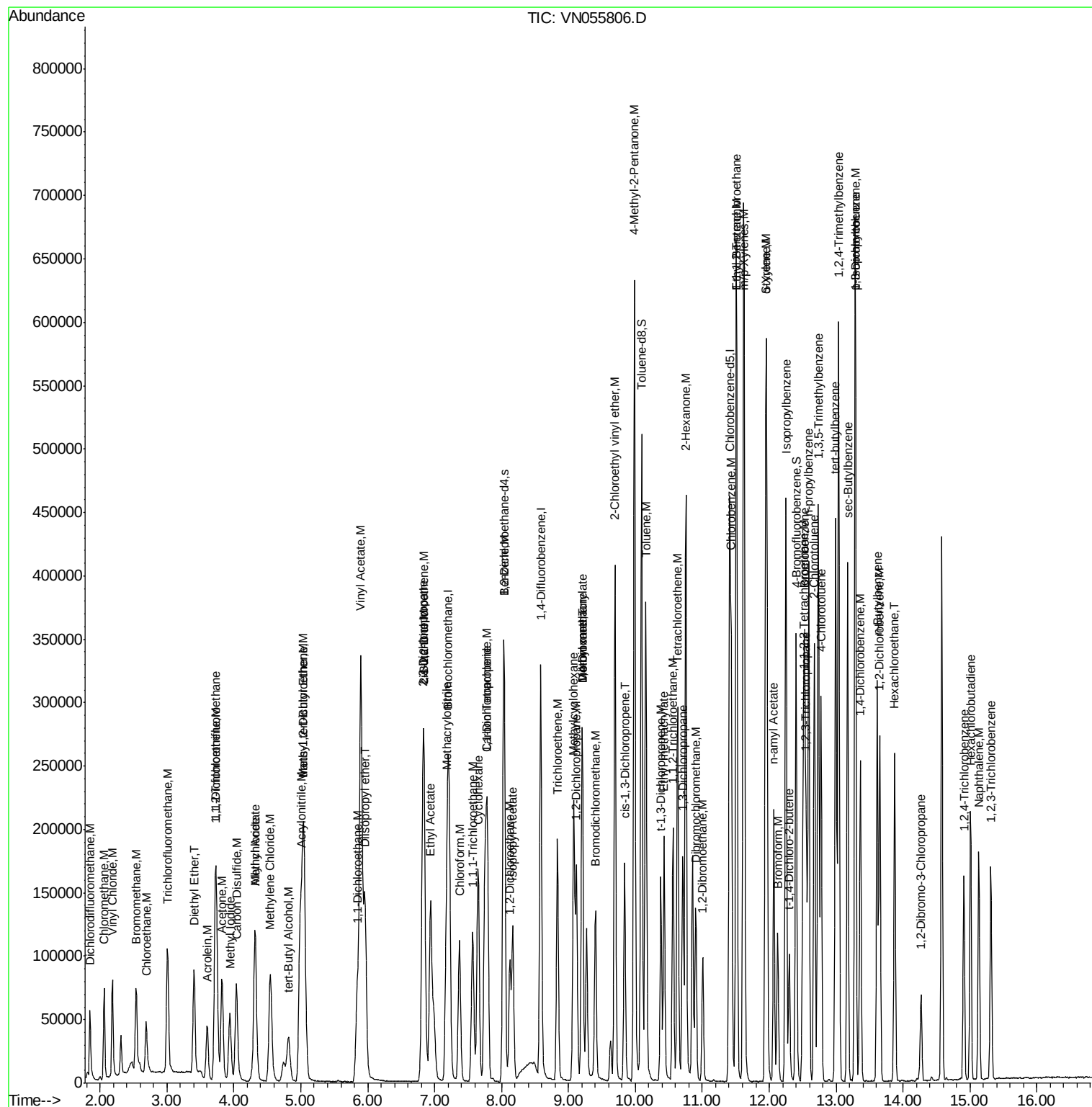
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055806.D
Acq On : 24 May 2019 19:28
Operator : JC/SP
Sample : VN0524WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

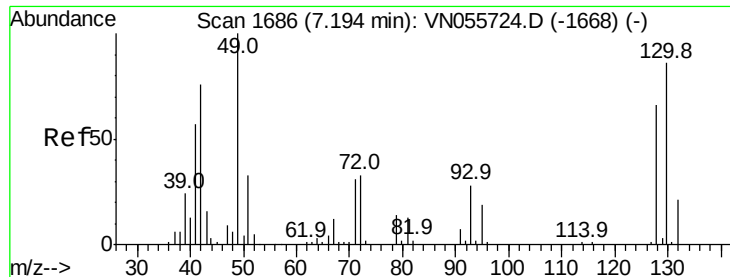
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

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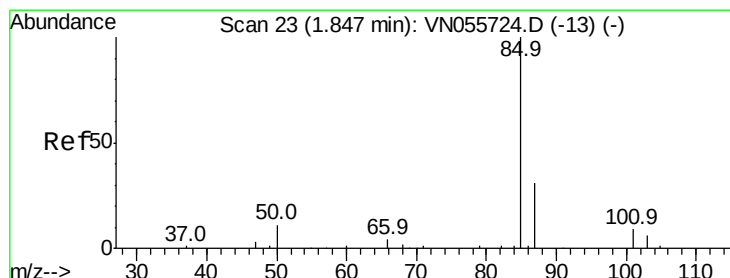
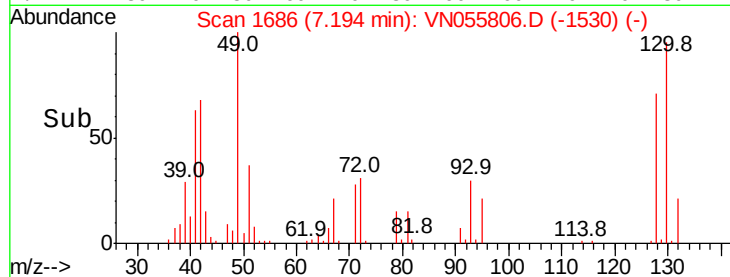
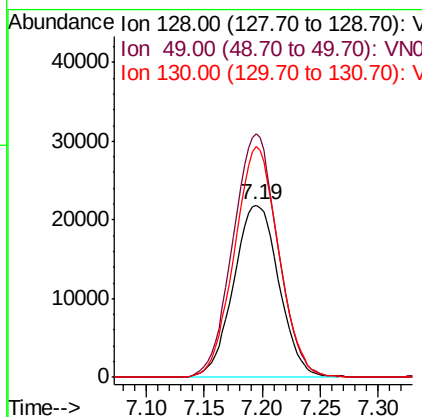
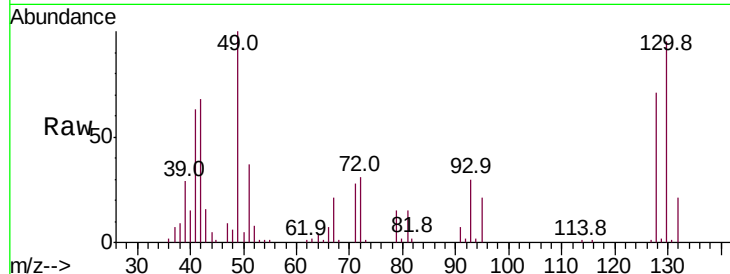
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion:	128	Resp:	59416
Ion	Ratio	Lower	Upper
128	100		
49	140.1	0.0	383.2
130	130.5	0.0	326.3

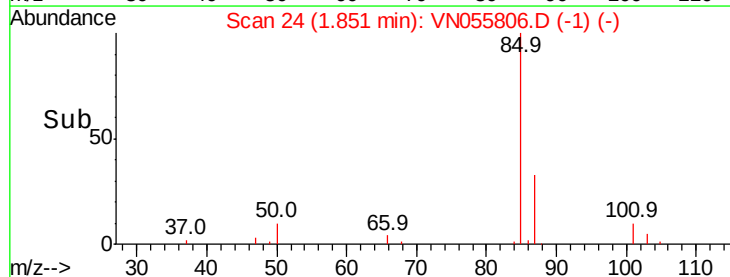
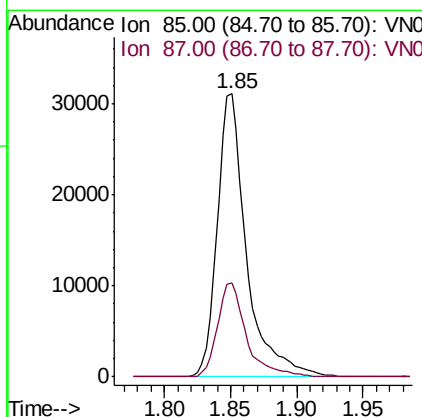
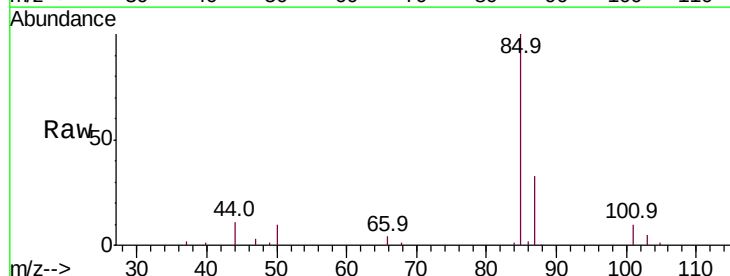
Manual Integrations
 APPROVED

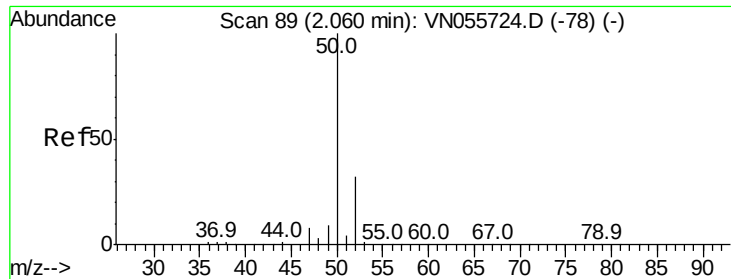
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#2
 Dichlorodifluoromethane
 Concen: 18.344 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion:	85	Resp:	47787
Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.7	47.0





#3

Chloromethane

Concen: 18.068 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 50 Resp: 66952

Ion Ratio Lower Upper

50 100

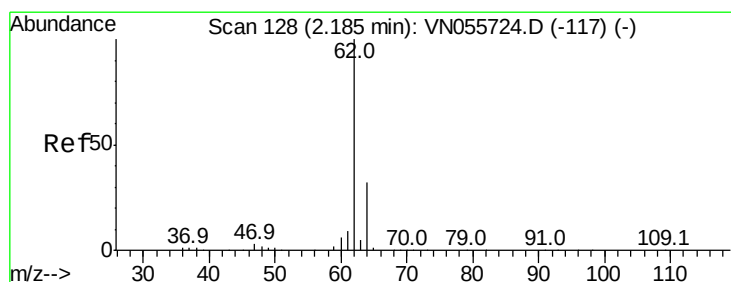
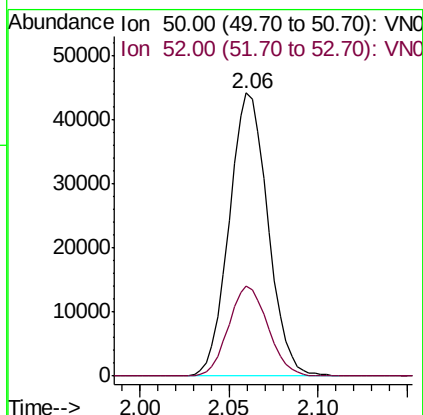
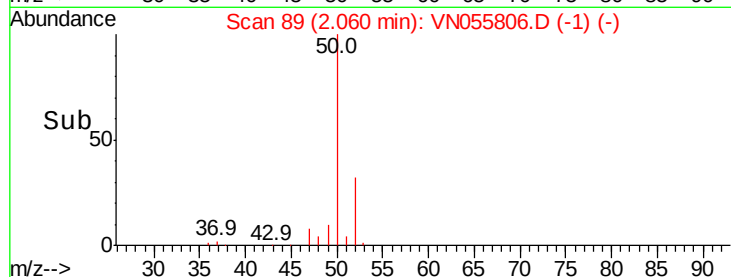
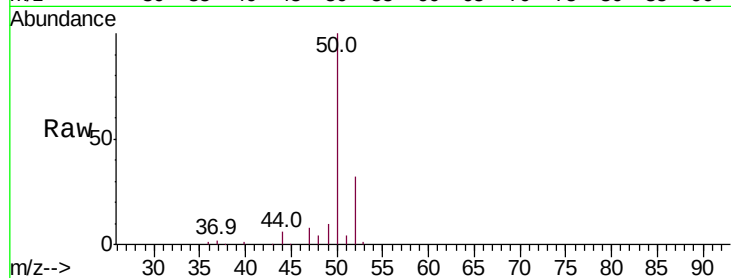
52 31.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.292 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055806.D

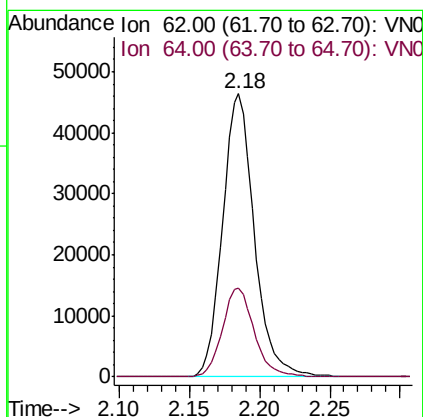
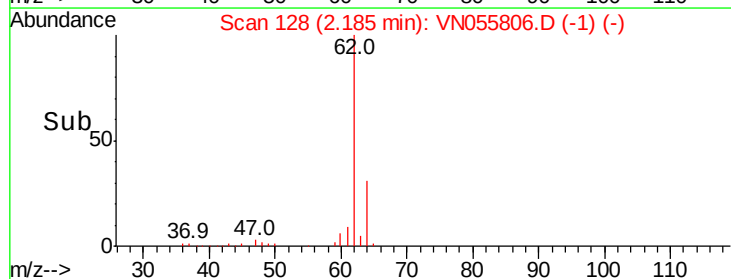
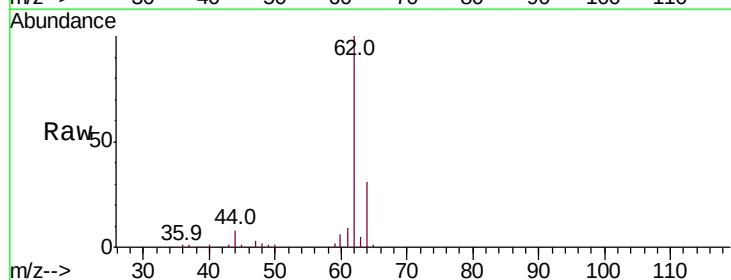
Acq: 24 May 2019 19:28

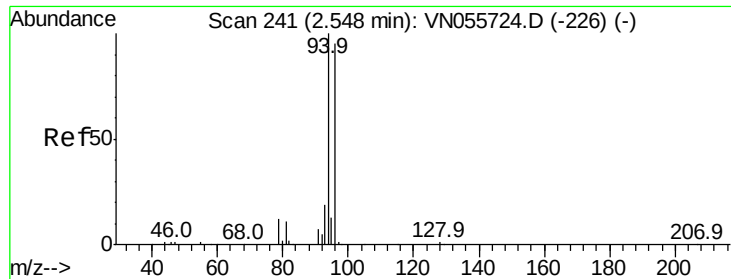
Tgt Ion: 62 Resp: 72961

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 23.458 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 94 Resp: 51941

Ion Ratio Lower Upper

94 100

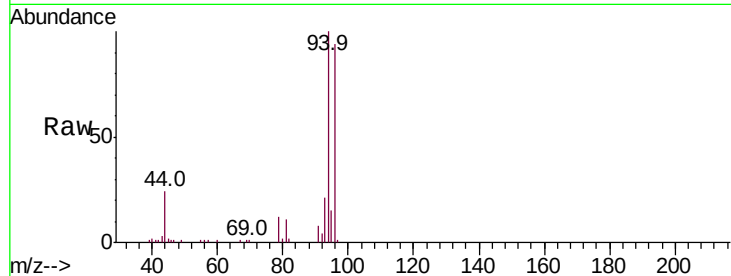
96 93.7 75.8 113.8

Manual Integrations

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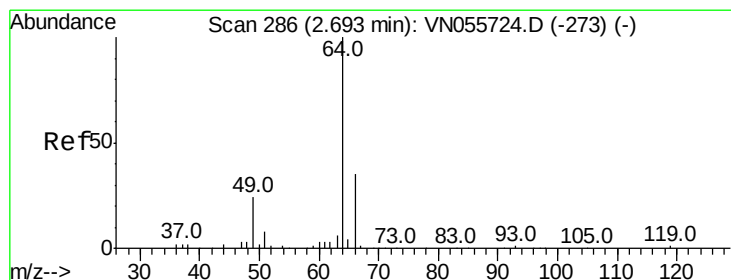
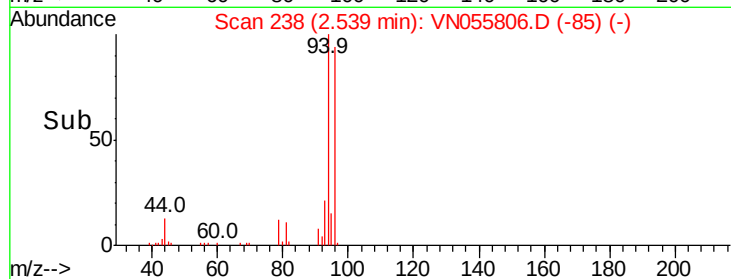
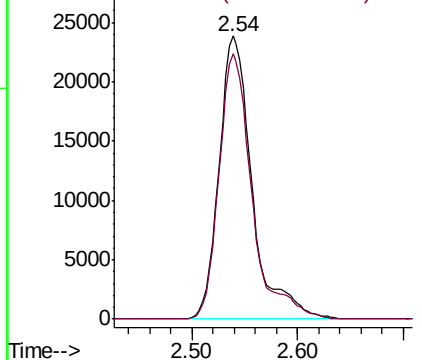
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.882 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055806.D

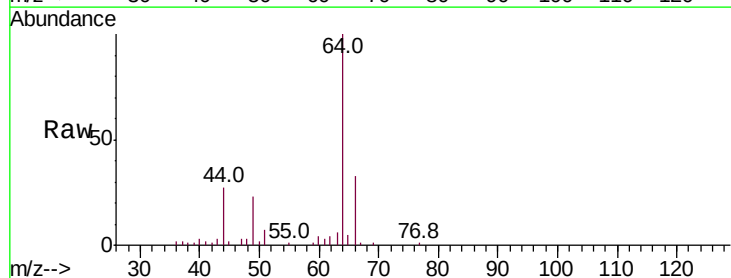
Acq: 24 May 2019 19:28

Tgt Ion: 64 Resp: 46134

Ion Ratio Lower Upper

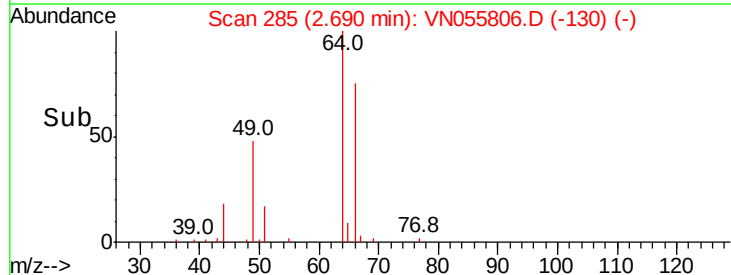
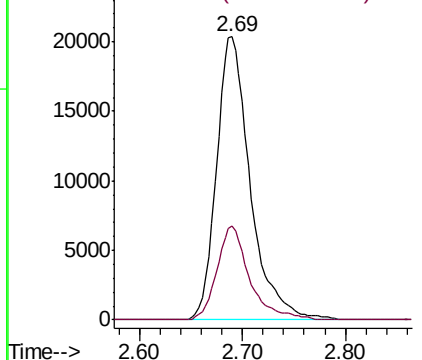
64 100

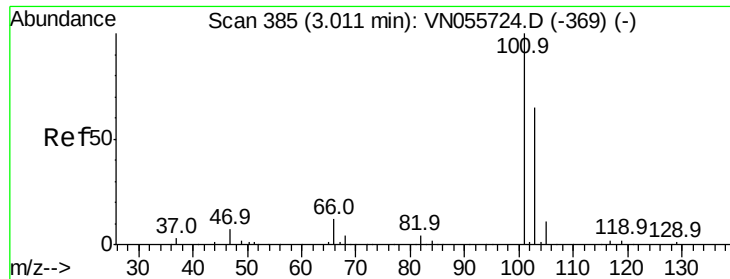
66 33.2 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

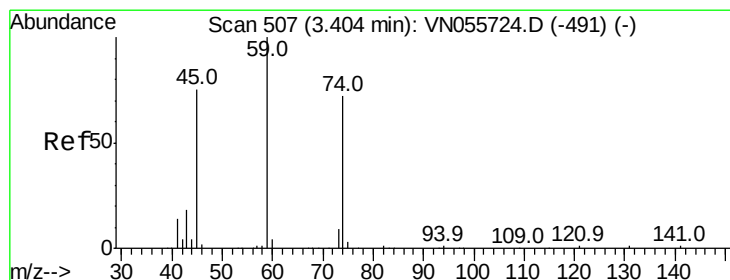
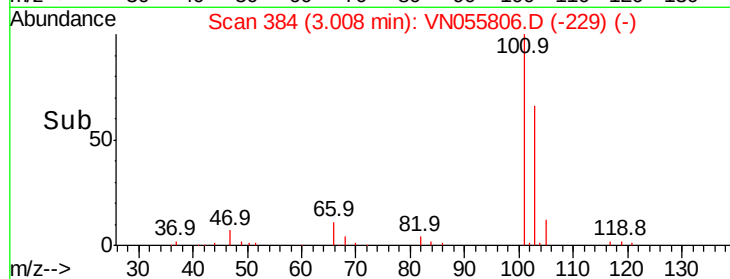
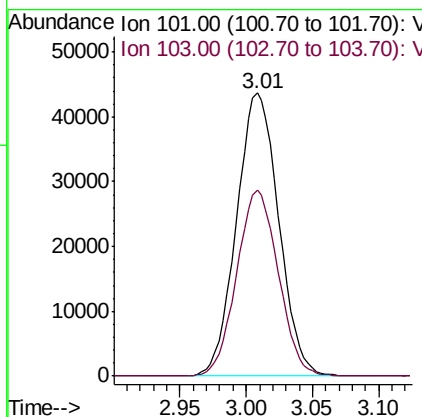
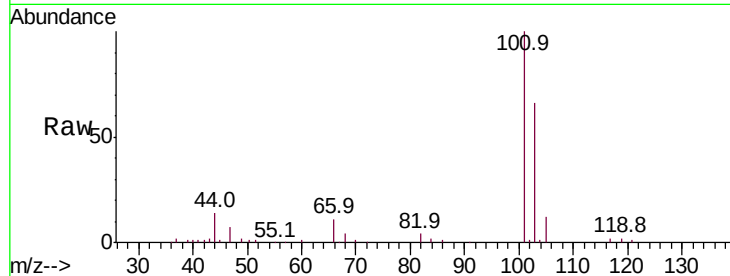
Trichlorofluoromethane
 Concen: 20.368 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	78.8

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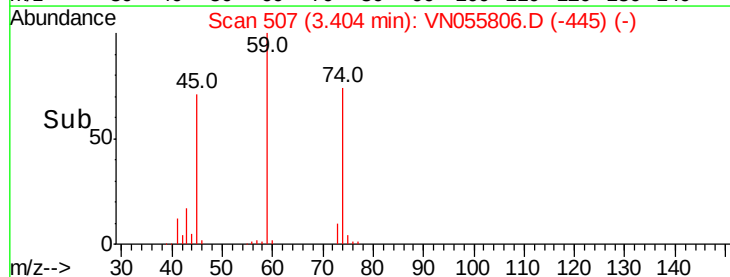
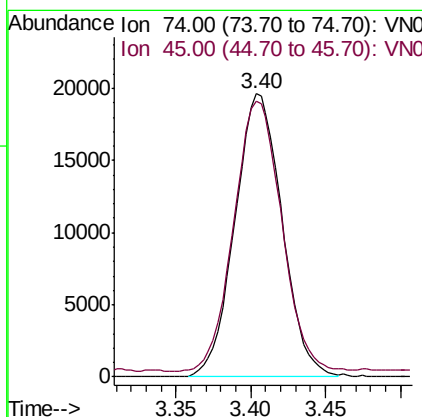
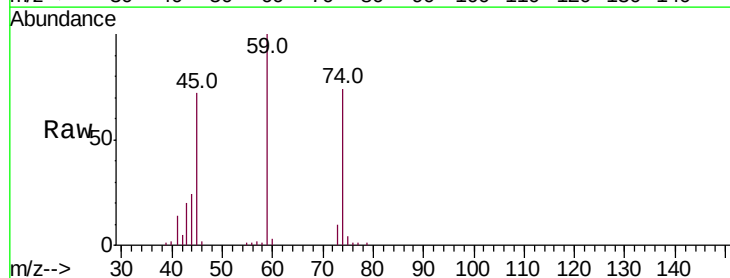
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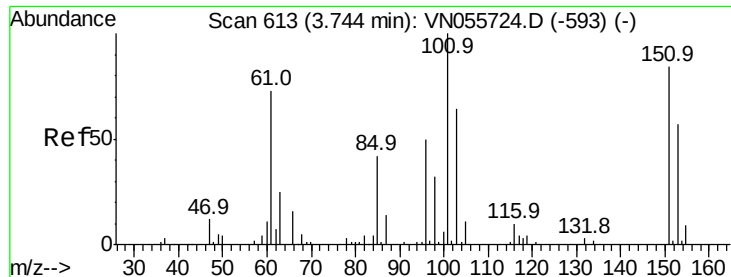


#8

Diethyl Ether
 Concen: 20.667 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	20.4	184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.567 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

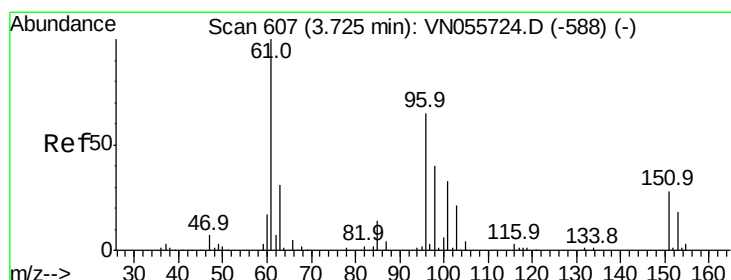
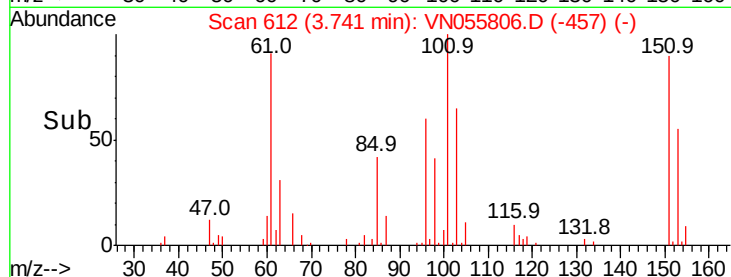
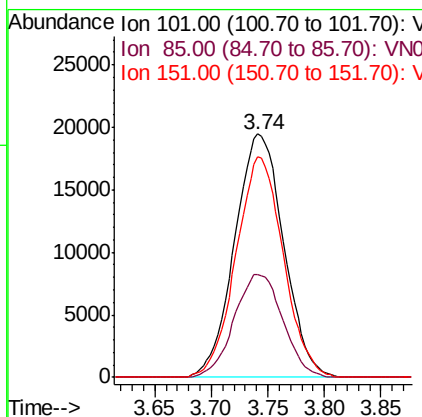
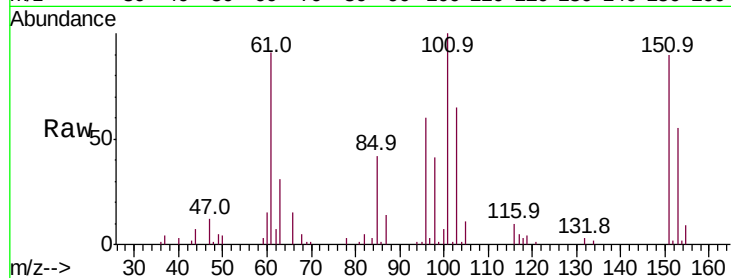
ClientSampled :

VN0524WBSD01

Tot Ion:	101	Resp:	58661
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	86.6
151	87.3	0.0	172.2

Manual Integrations
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5/28/2019 10:36:13 AM



#10

1,1-Dichloroethene

Concen: 19.527 ug/l

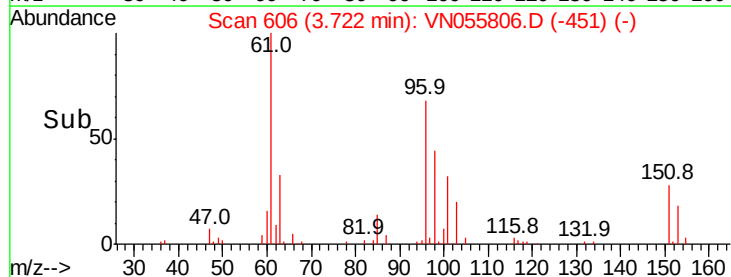
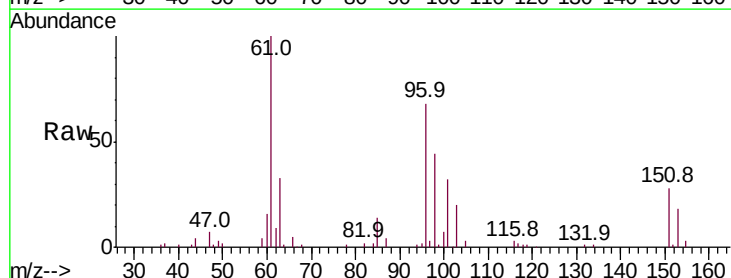
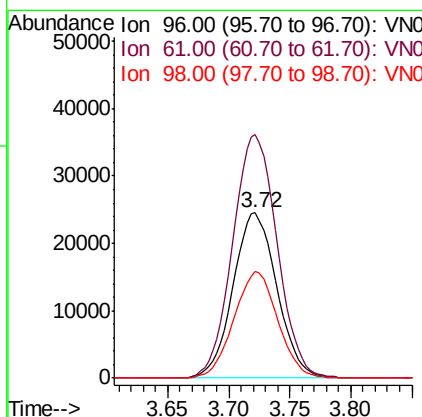
RT: 3.72 min Scan# 606

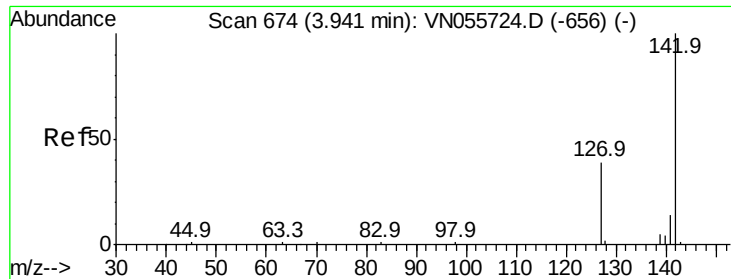
Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	96	Resp:	61241
Ion Ratio	Lower	Upper	
96	100		
61	147.2	123.7	185.5
98	64.2	50.0	75.0





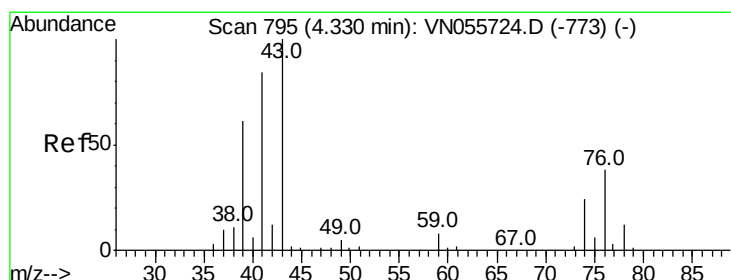
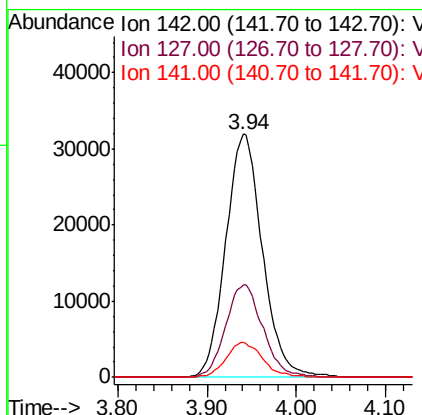
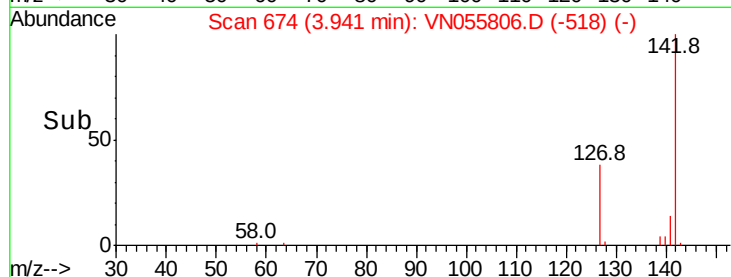
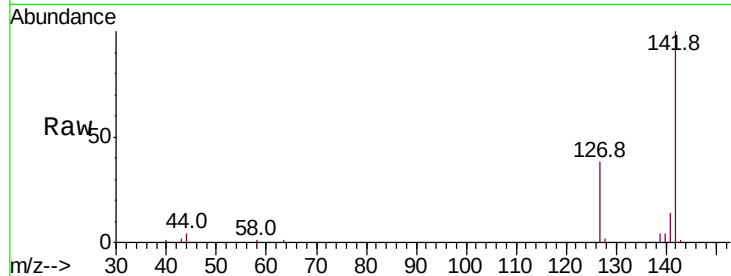
#11
Methvl Iodide
Concen: 20.398 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.0	19.6	58.7
141	14.4	6.9	20.6

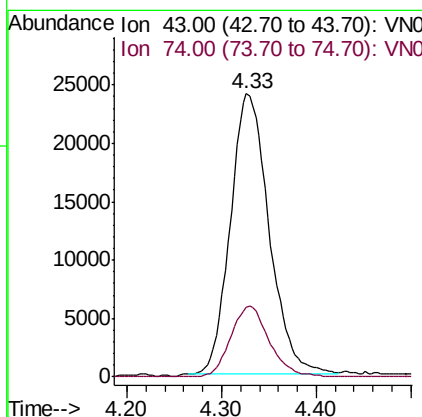
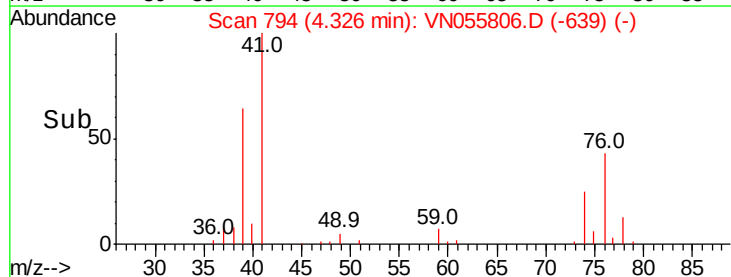
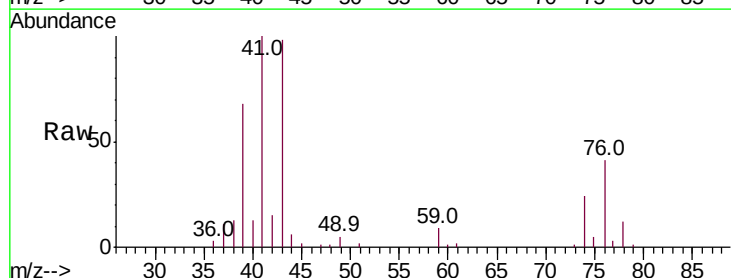
Manual Integrations
APPROVED

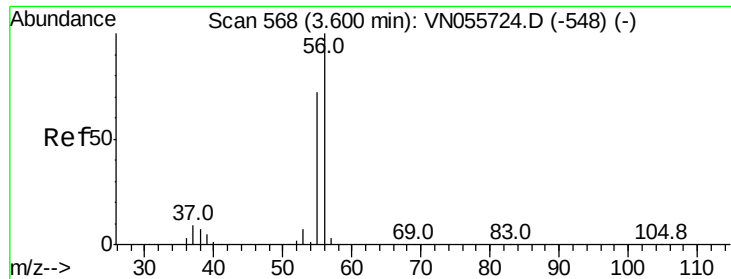
MMDadoda
5/28/2019 10:36:13 AM



#12
Methyl Acetate
Concen: 17.862 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.2	28.8





#13

Acrolein

Concen: 91.874 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 56 Resp: 48964

Ion Ratio Lower Upper

56 100

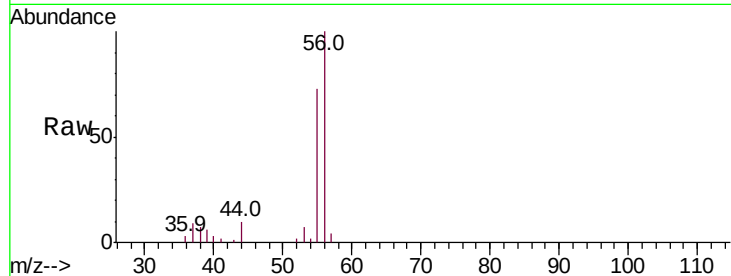
55 68.3 57.0 85.6

Manual Integrations

APPROVED

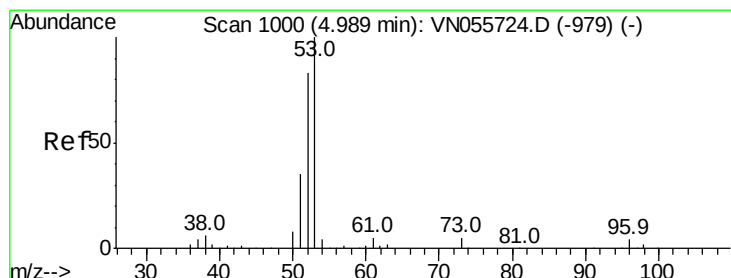
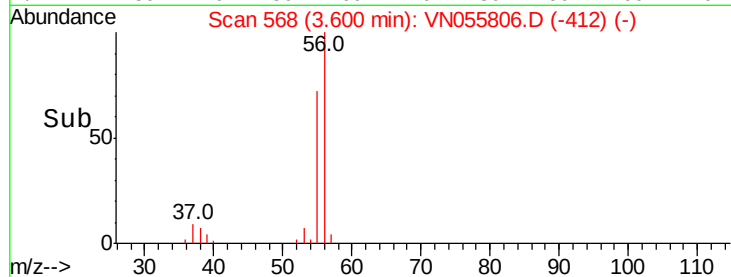
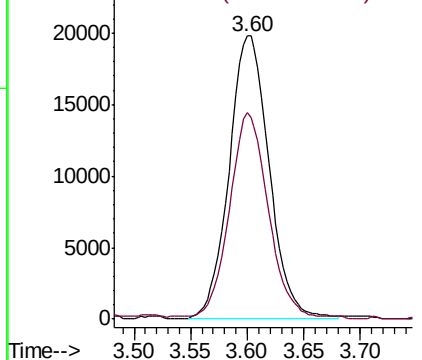
MMDadoda

5/28/2019 10:36:13 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 94.374 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

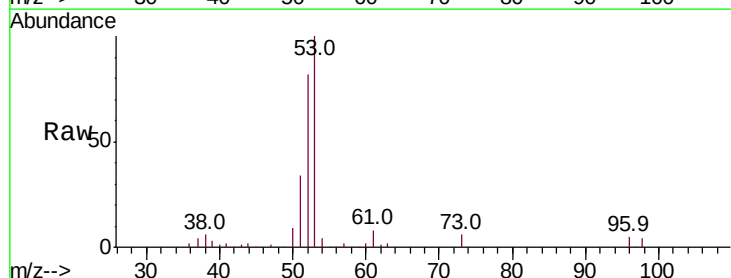
Tgt Ion: 53 Resp: 165031

Ion Ratio Lower Upper

53 100

52 81.4 41.1 123.4

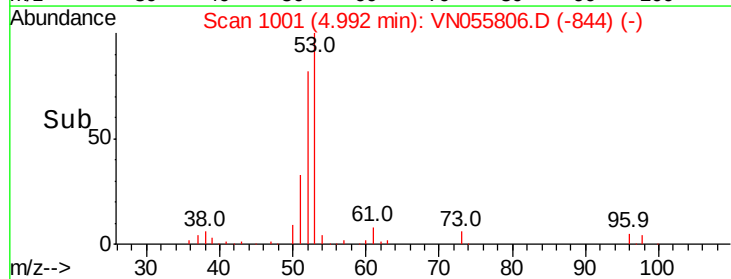
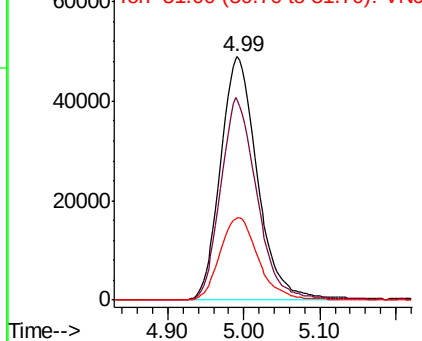
51 35.2 17.5 52.6

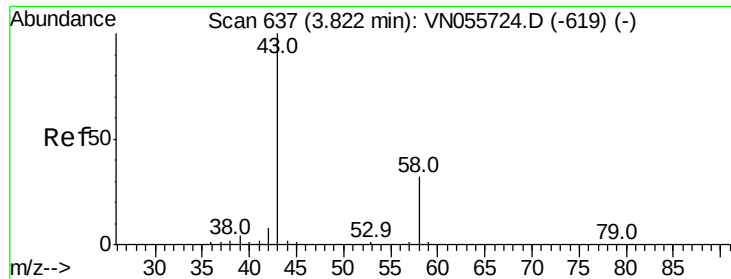


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 80.896 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 58 Resp: 43934

Ion Ratio Lower Upper

58 100

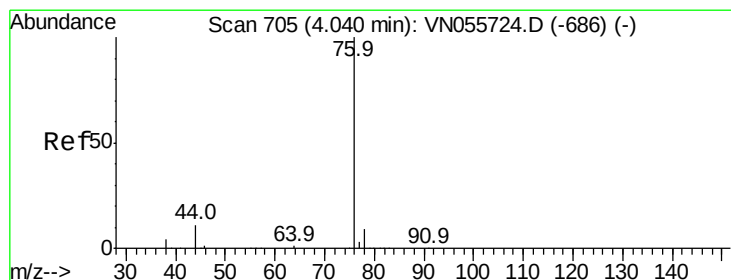
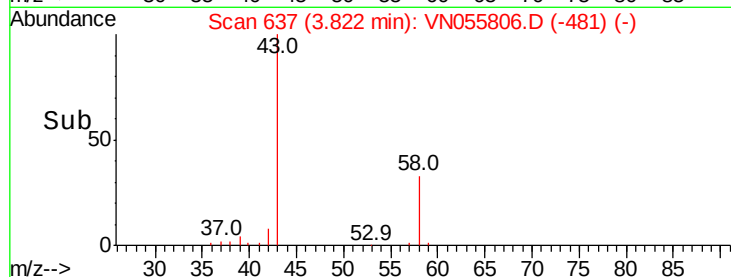
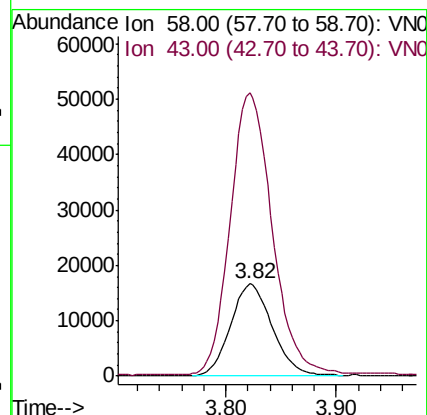
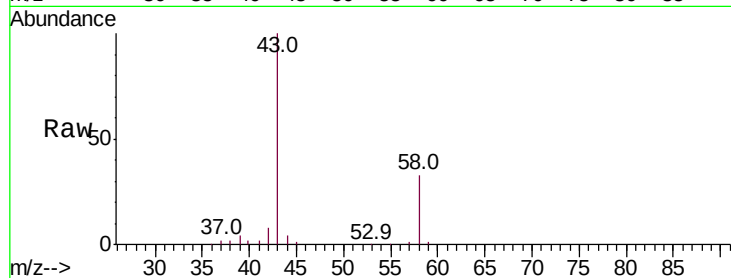
43 304.5 248.8 373.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.041 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055806.D

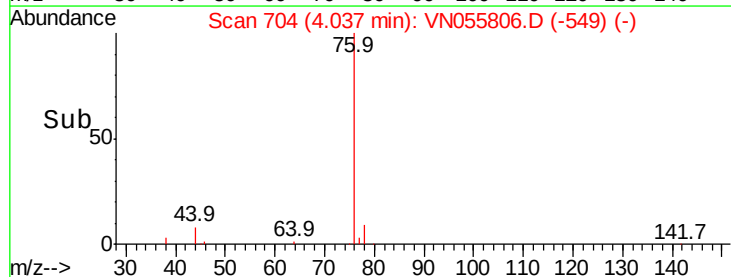
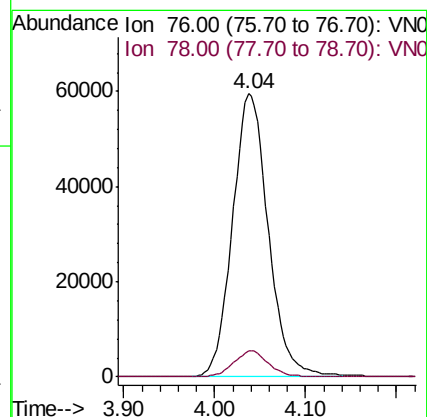
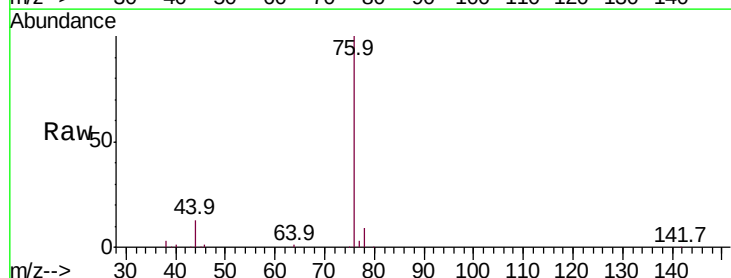
Acq: 24 May 2019 19:28

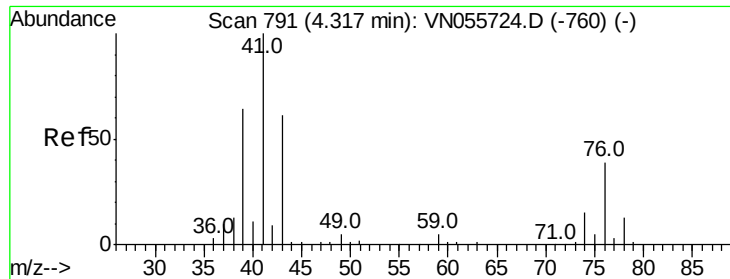
Tgt Ion: 76 Resp: 162221

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





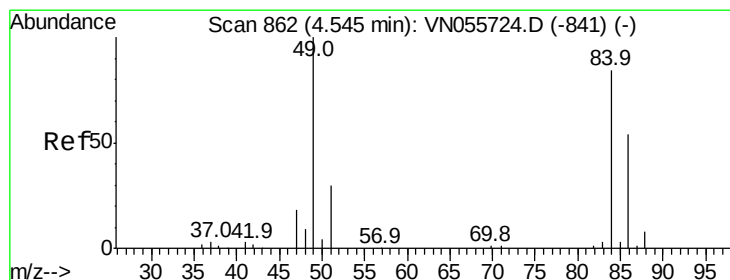
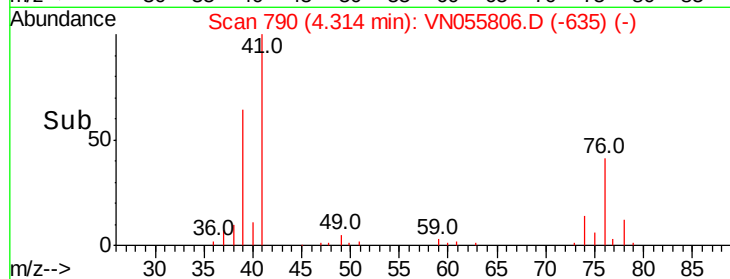
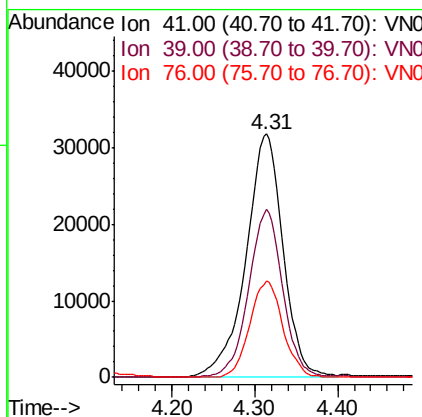
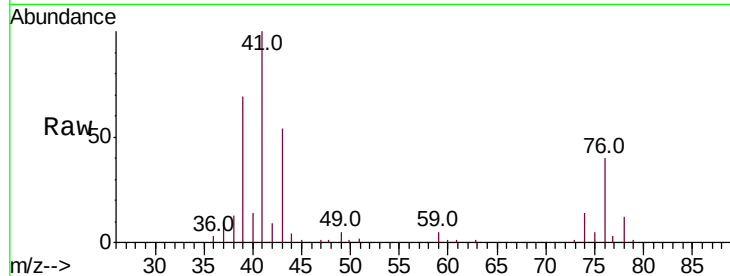
#17
Allvl chloride
Concen: 17.519 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	68.8	31.8	95.3	
76	39.6	19.3	57.9	

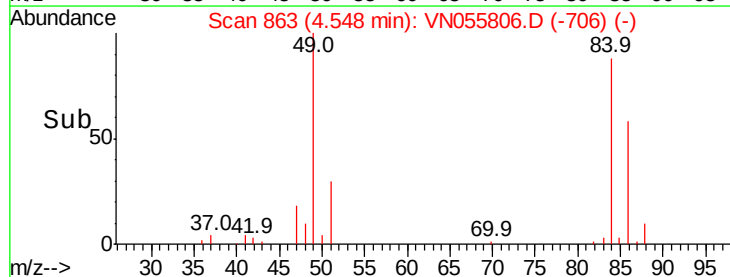
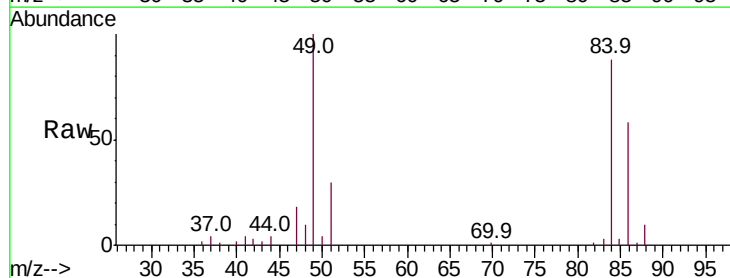
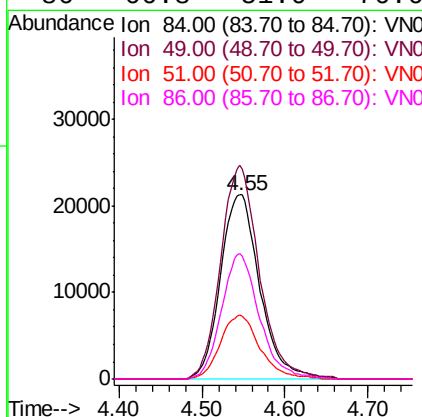
Manual Integrations
APPROVED

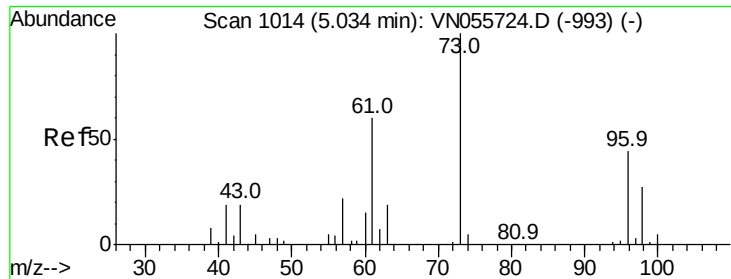
MMDadoda
5/28/2019 10:36:13 AM



#18
Methylene Chloride
Concen: 19.472 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	114.2	94.7	142.1	
51	34.1	28.6	43.0	
86	66.8	51.0	76.6	





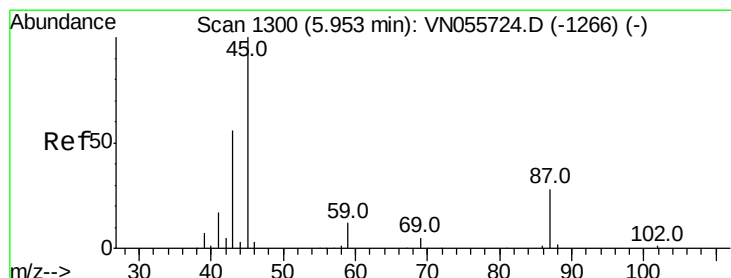
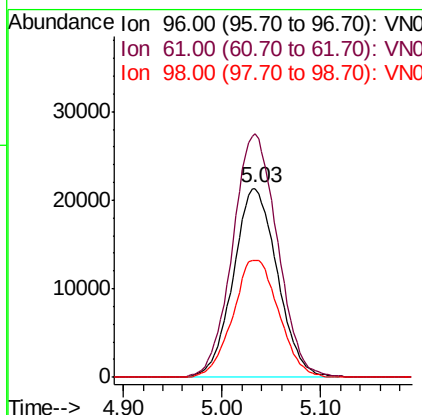
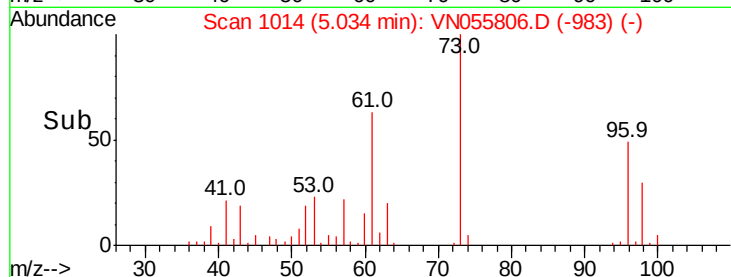
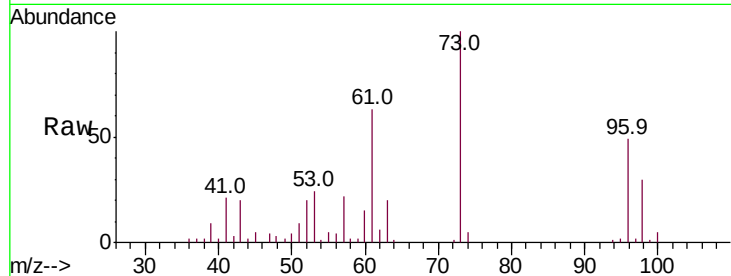
#19
trans-1,2-Dichloroethene
Concen: 19.606 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	108.5	162.7
98	62.1	49.4	74.2

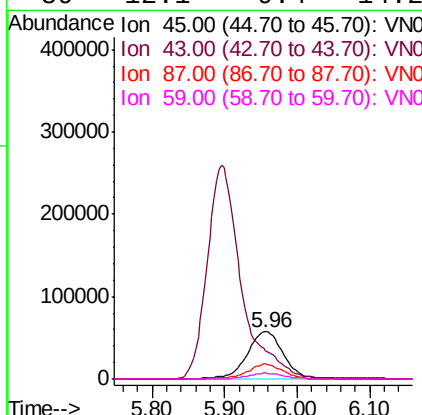
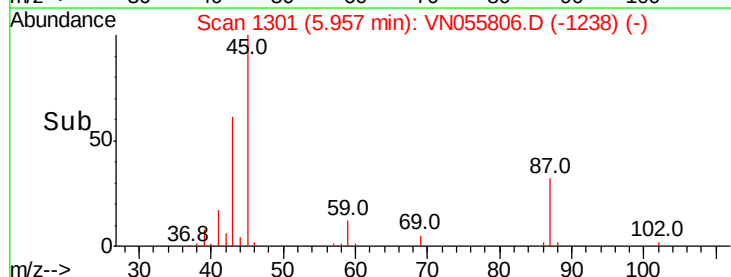
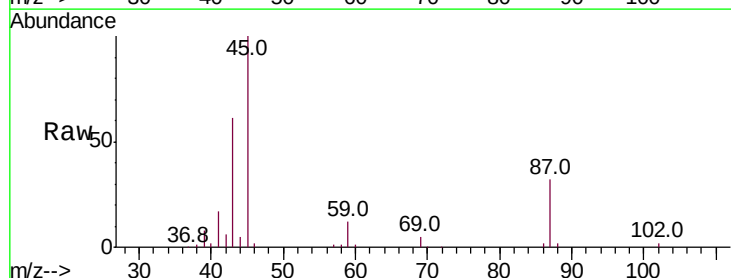
Manual Integrations
APPROVED

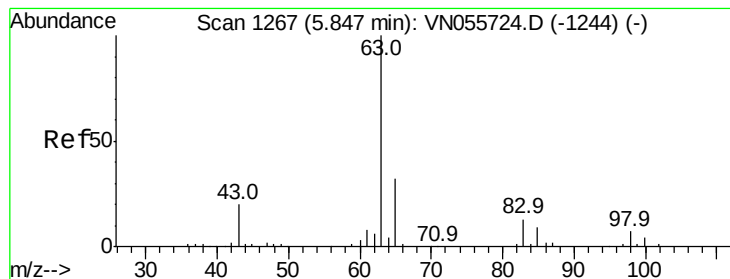
MMDadoda
5/28/2019 10:36:13 AM



#20
Diisopropyl ether
Concen: 18.311 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.6	73.0
87	31.1	22.6	34.0
59	12.1	9.4	14.2





#21

1,1-Dichloroethane

Concen: 19.112 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

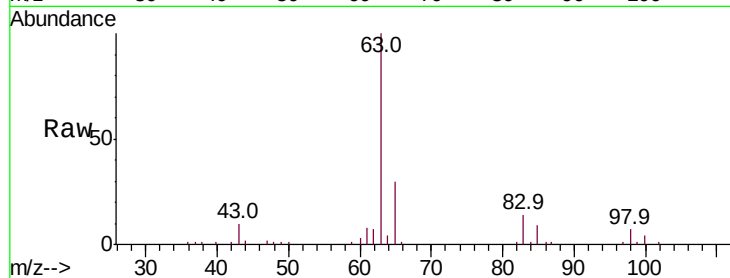
ClientSampleID :

VN0524WBSD01

Tot Ion	63	Resp	118357
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.4	10.2
100	4.3	2.2	6.6

Manual Integrations
APPROVED

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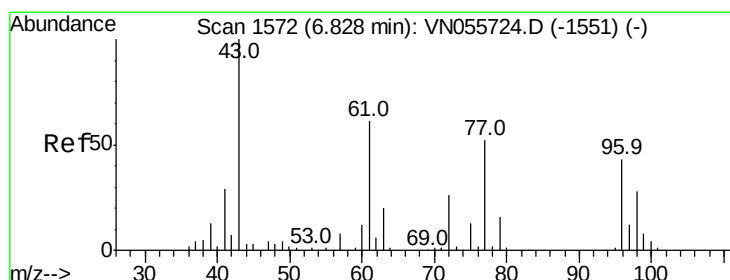
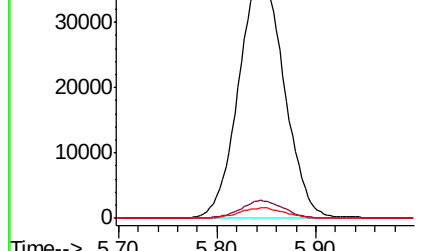
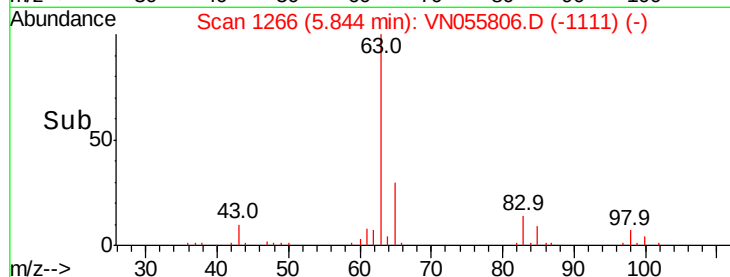


Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)

Time--> 5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 19.627 ug/l

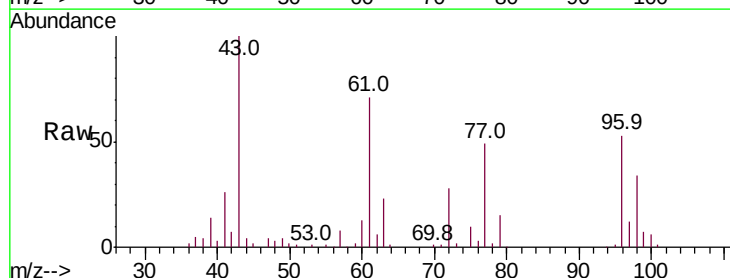
RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion	96	Resp	77227
Ion Ratio	Lower	Upper	
96	100		
61	135.2	115.7	173.5
98	64.8	51.5	77.3

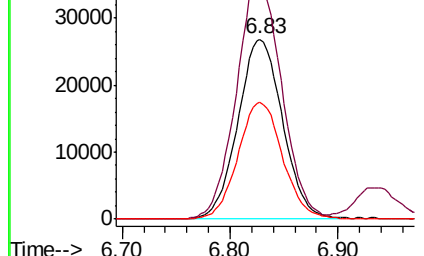
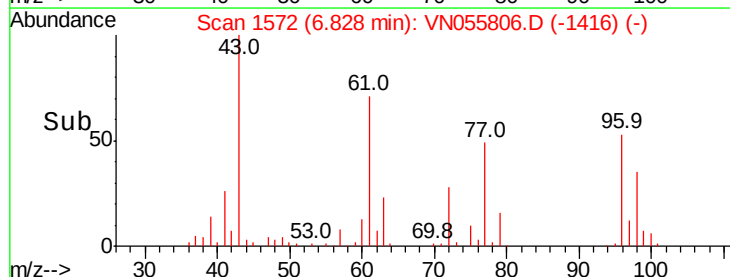


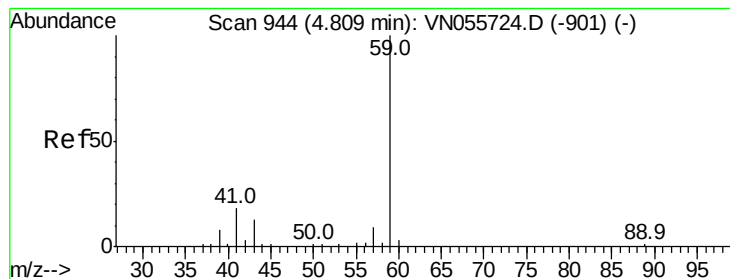
Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)

Time--> 6.70 6.80 6.90





#23

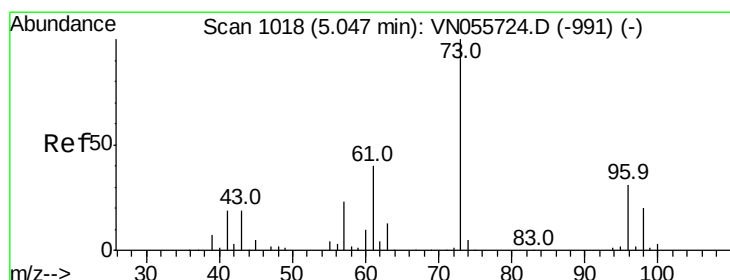
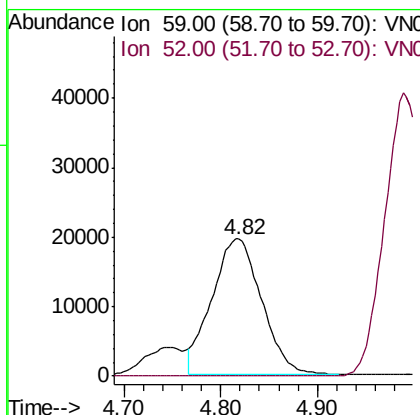
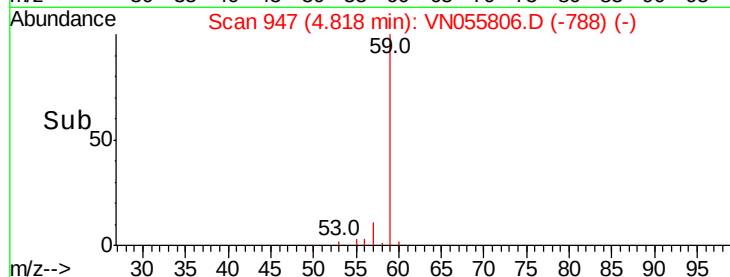
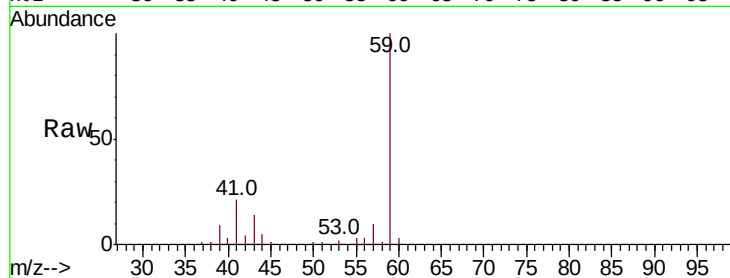
tert-Butyl Alcohol
 Concen: 91.194 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
70036	100	0.0		0.0	0.0

Manual Integrations
 APPROVED

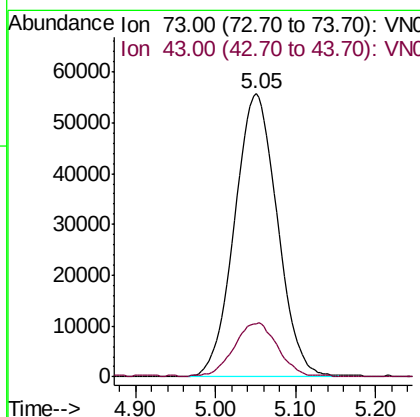
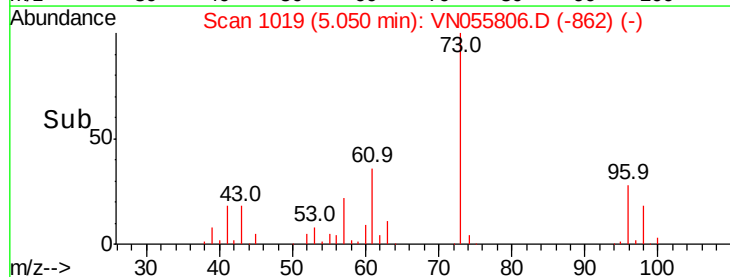
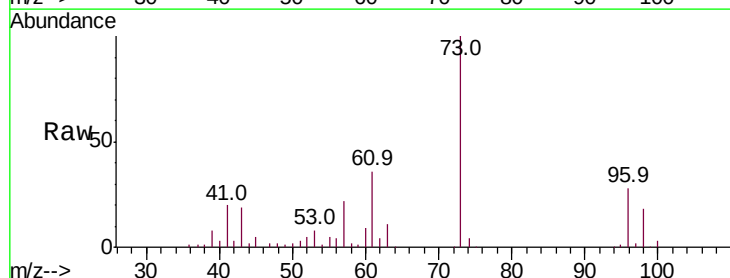
MMDadoda
 5/28/2019 10:36:13 AM

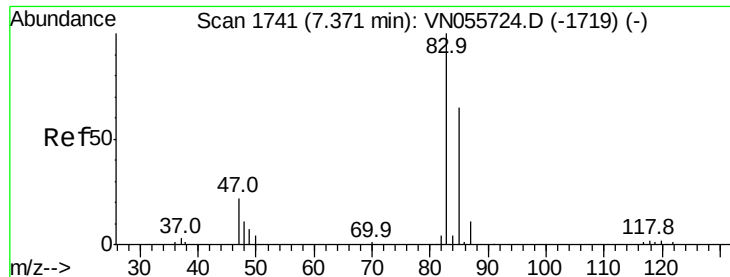


#24

Methyl tert-Butyl Ether
 Concen: 19.081 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	73	43	Ratio	Lower	Upper
203044	100	18.9		15.7	23.5





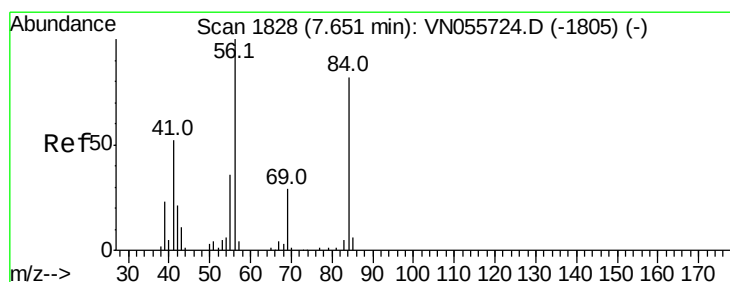
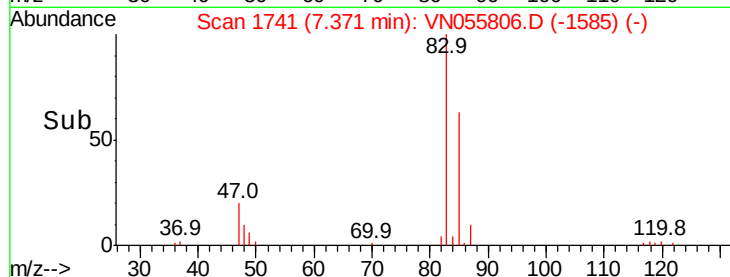
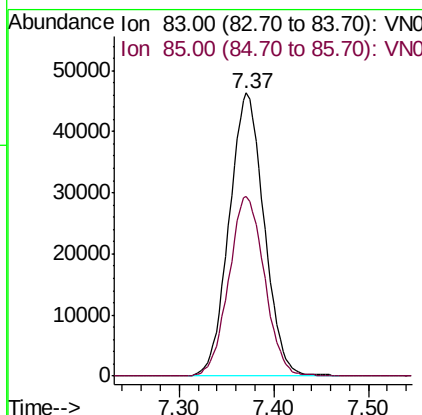
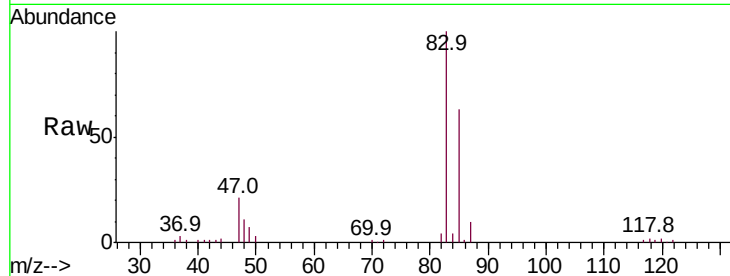
#25
Chloroform
Concen: 19.421 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD01

Tot Ion: 83 Resp: 118783
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5

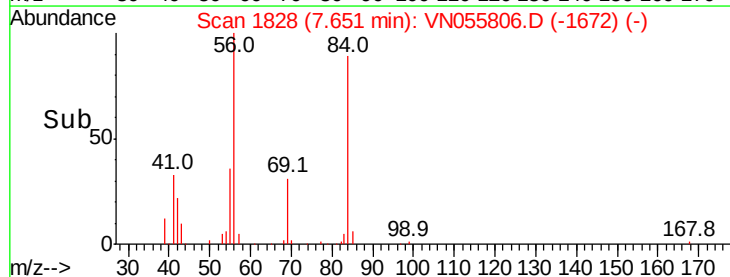
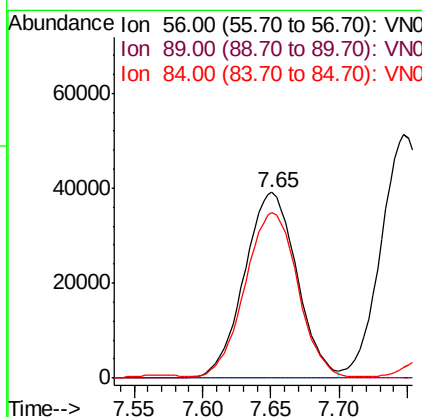
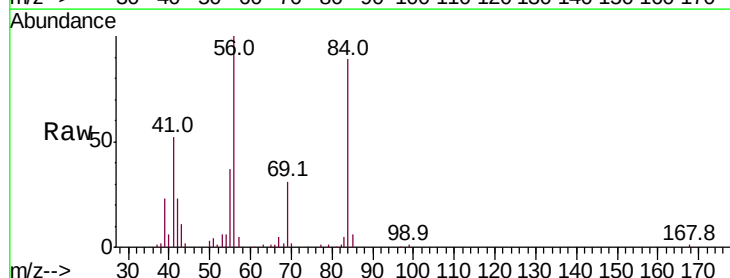
Manual Integrations
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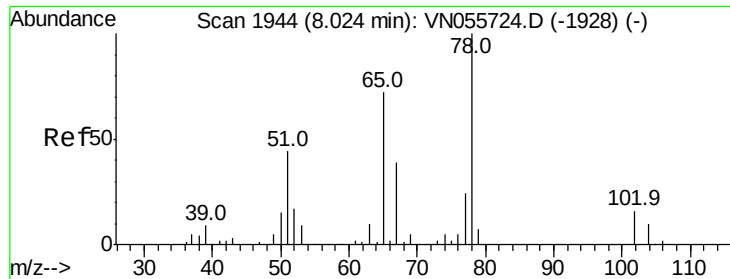
MMDadoda
5/28/2019 10:36:13 AM



#26
Cyclohexane
Concen: 18.348 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 56 Resp: 104824
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.5 67.2 100.8





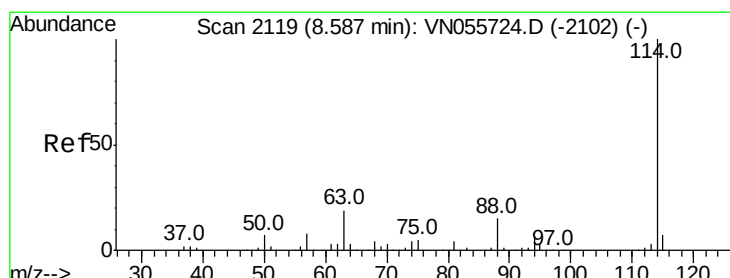
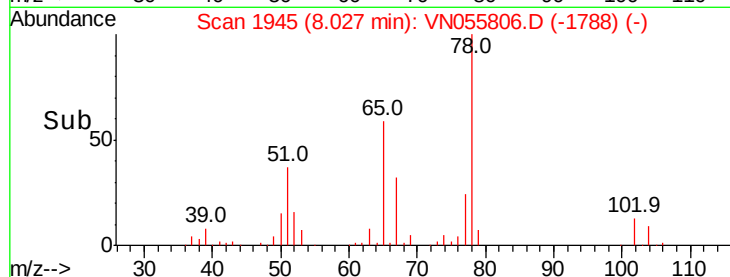
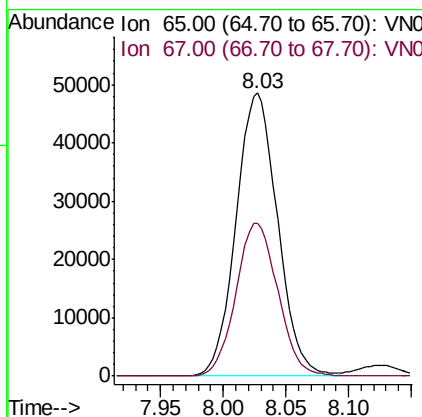
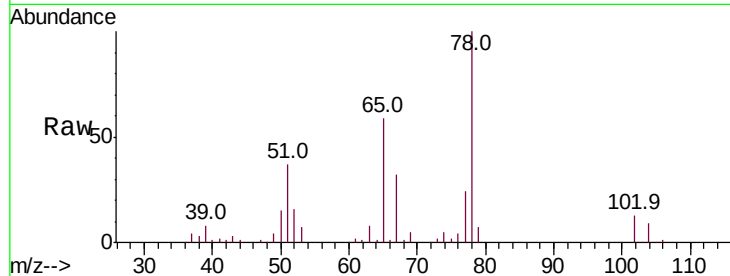
#27
 1,2-Dichloroethane-d4
 Concen: 28.848 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD01

Tot Ion: 65 Resp: 112036
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.5 65.3

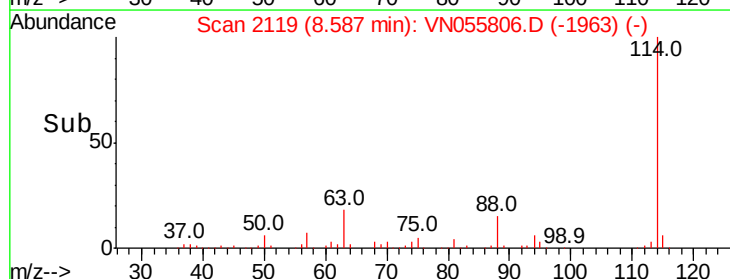
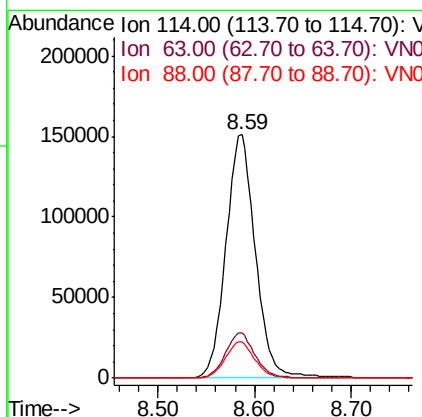
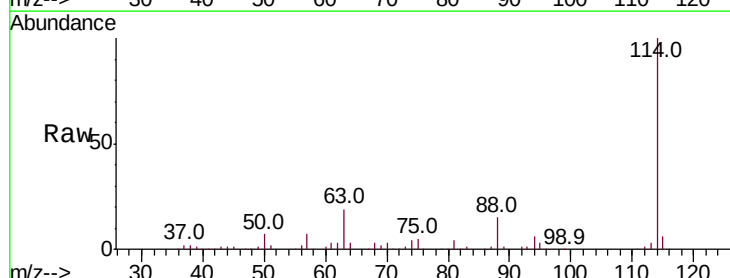
Manual Integrations
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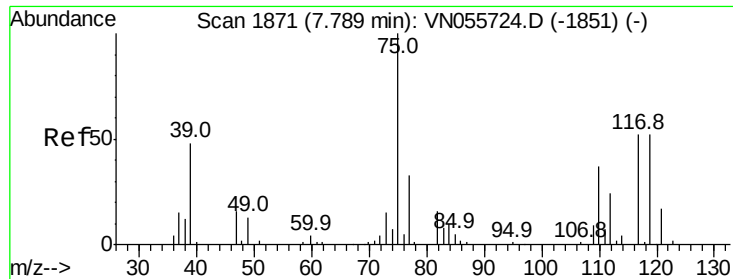
MMDadoda
 5/28/2019 10:36:13 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion: 114 Resp: 320071
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 15.1 12.3 18.5





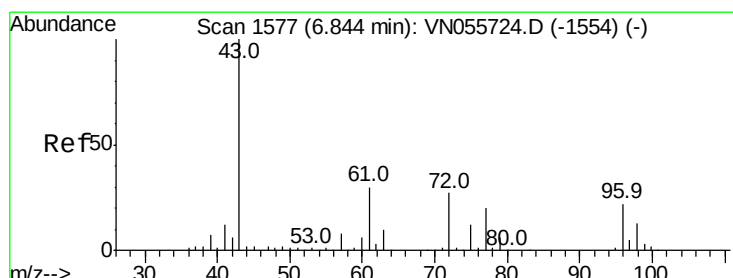
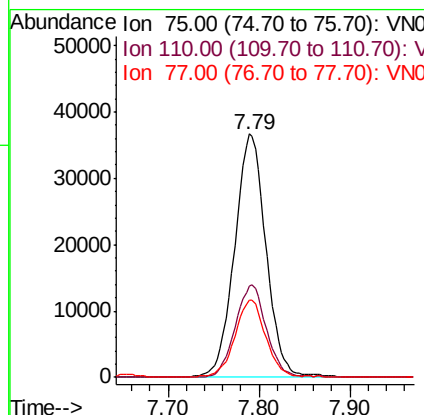
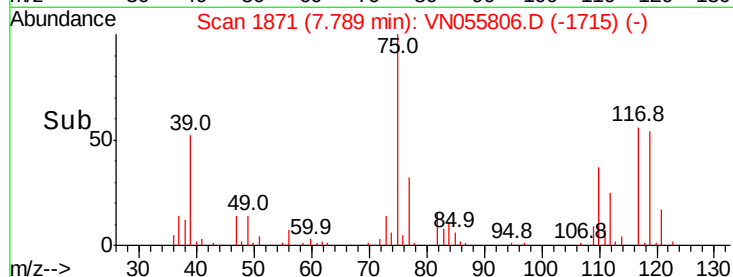
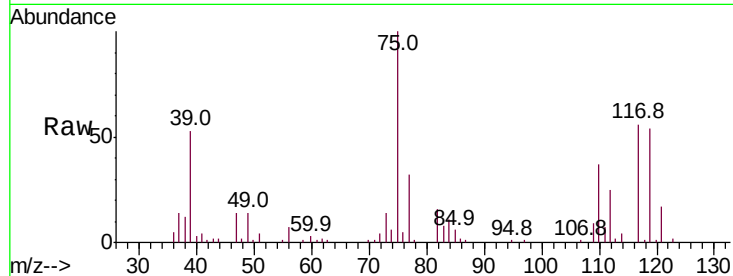
#29
 1,1-Dichloropropene
 Concen: 19.650 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.7	0.0	74.8
77	31.3	0.0	65.2

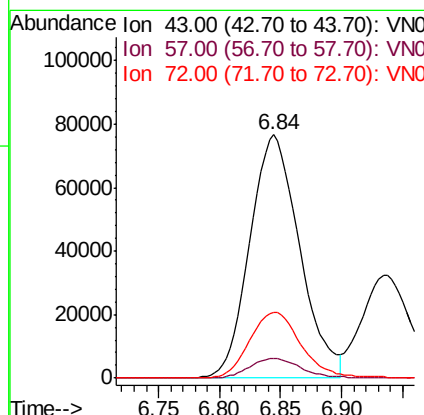
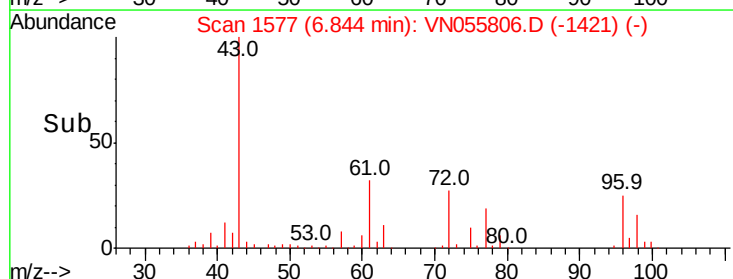
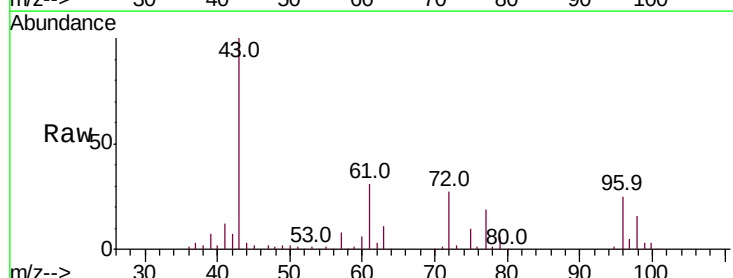
Manual Integrations
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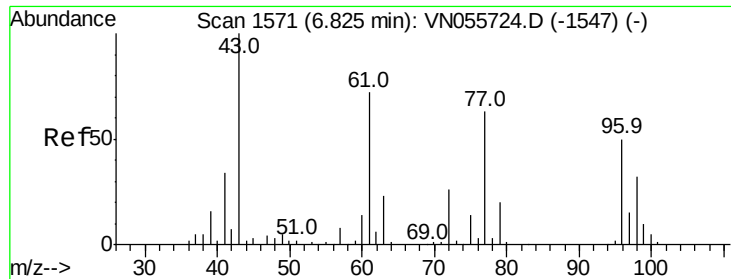
MMDadoda
 5/28/2019 10:36:13 AM



#30
 2-Butanone
 Concen: 90.322 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	10.0
72	28.2	21.7	32.5





#31

2,2-Dichloropropane

Concen: 15.423 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 77 Resp: 80420

Ion Ratio Lower Upper

77 100

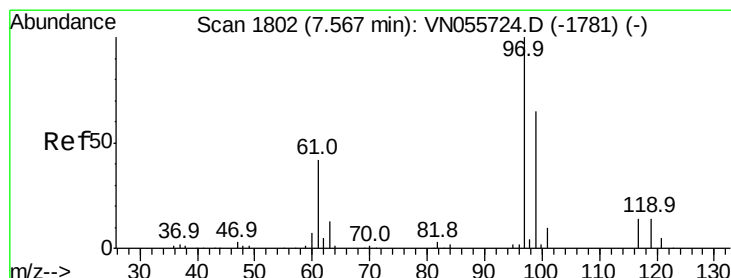
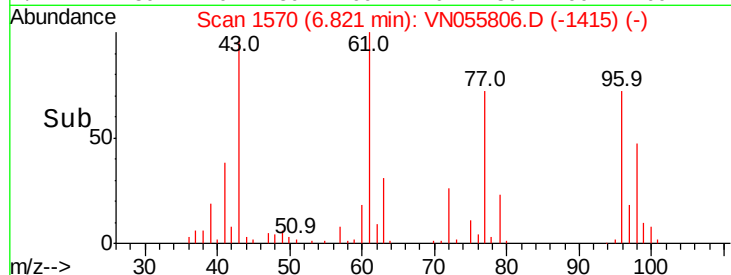
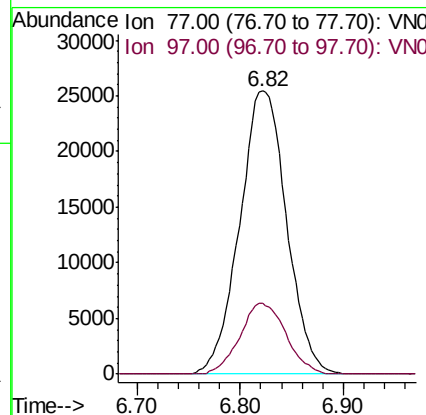
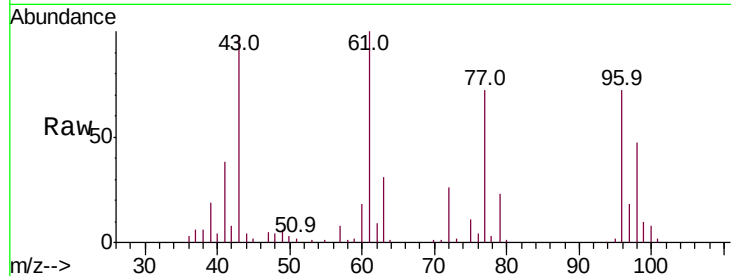
97 24.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 19.735 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

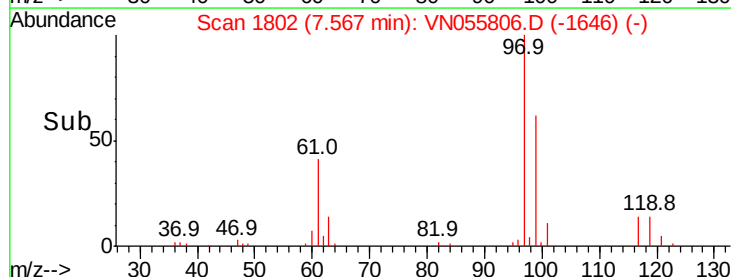
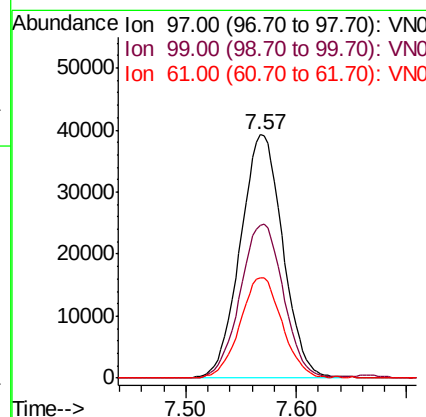
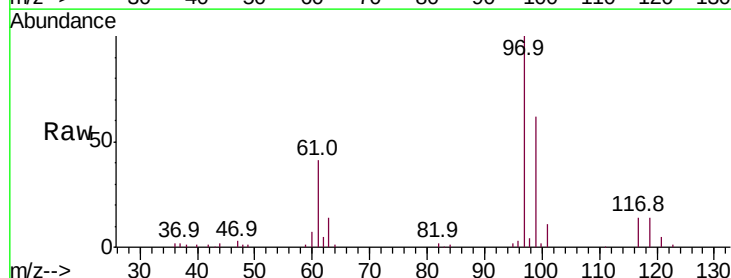
Tgt Ion: 97 Resp: 104812

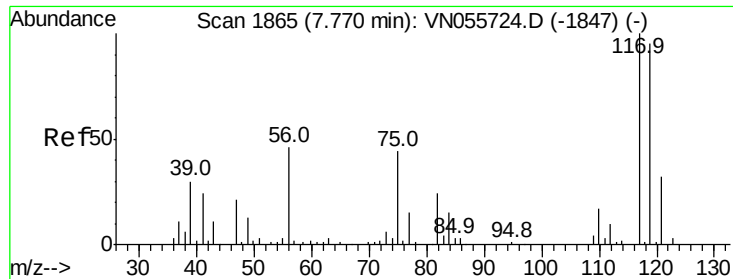
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 40.9 33.1 49.7





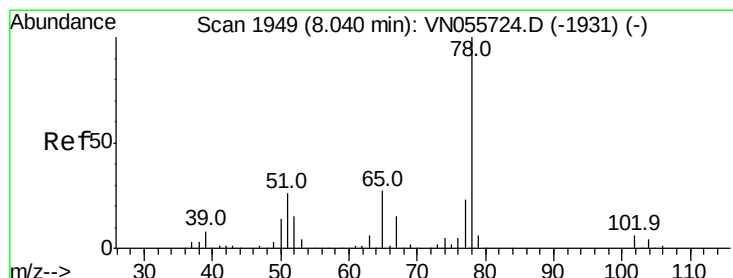
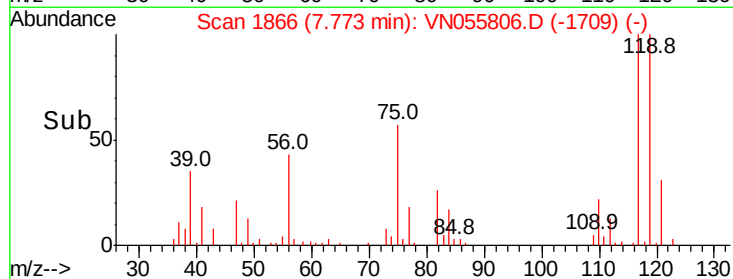
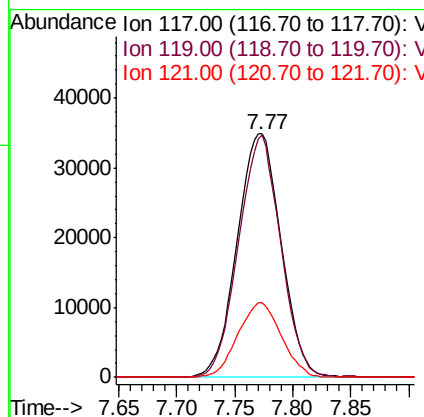
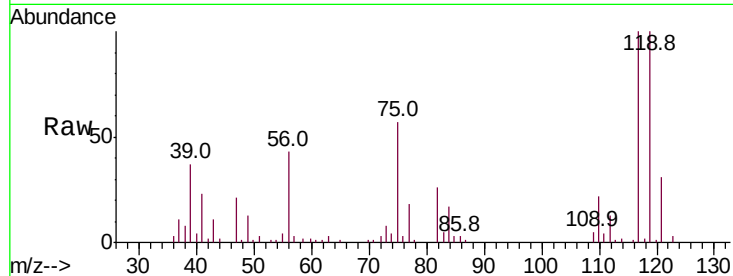
#33
Carbon Tetrachloride
Concen: 19.358 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.8	113.8
121	30.5	25.4	38.0

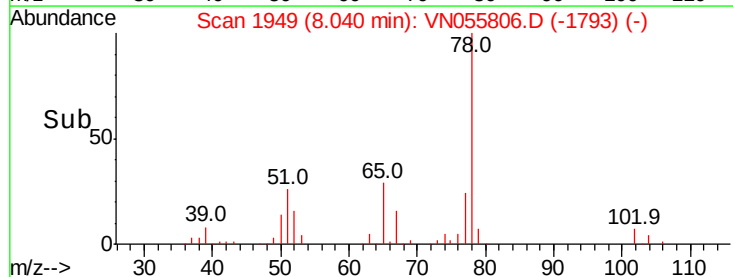
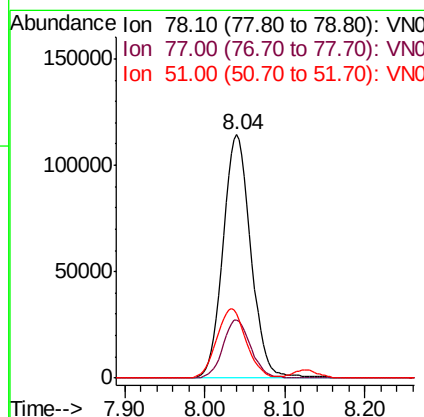
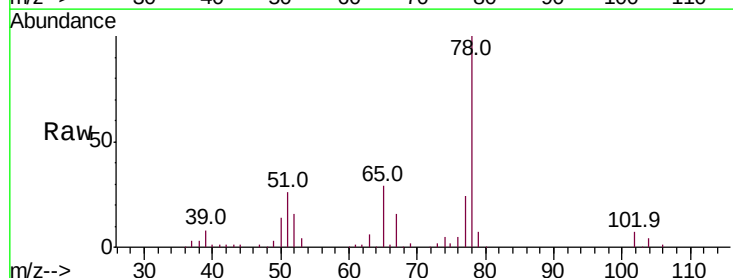
Manual Integrations
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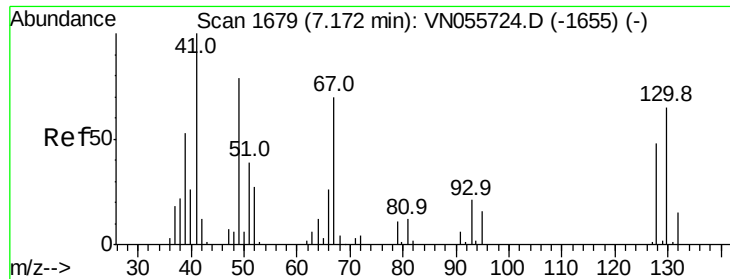
MMDadoda
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#34
Benzene
Concen: 19.867 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2
51	26.3	20.6	31.0





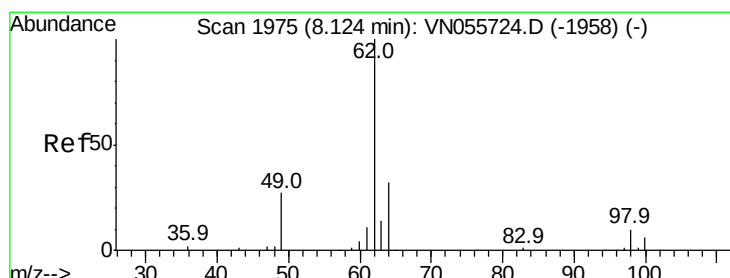
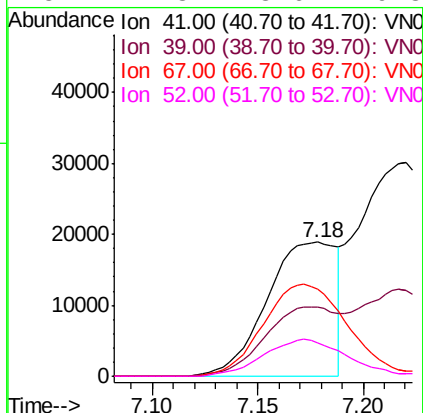
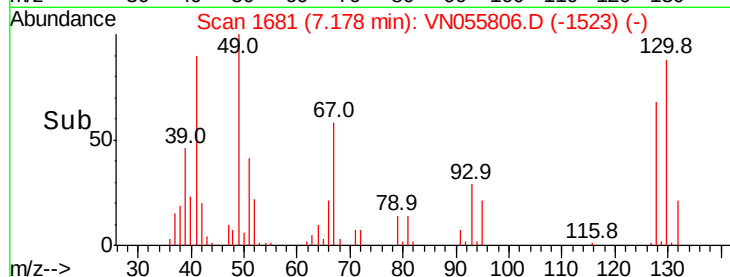
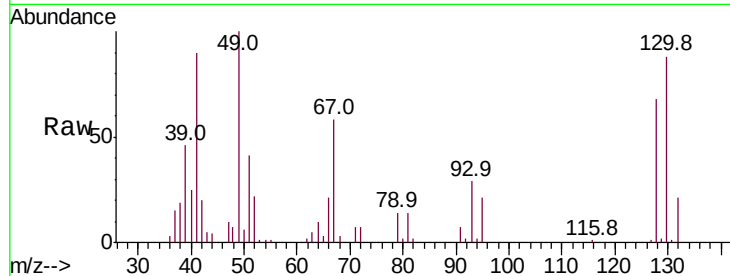
#35
Methacrylonitrile
Concen: 19.677 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion: 41 Resp: 43375
Ion Ratio Lower Upper
41 100
39 51.4 26.7 80.1
67 64.7 34.9 104.7
52 24.8 13.6 40.8

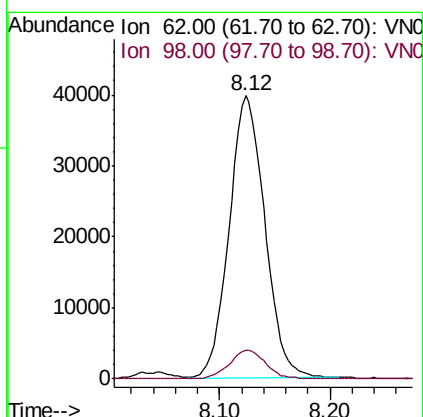
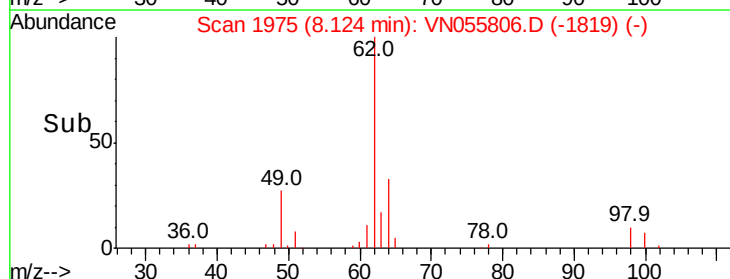
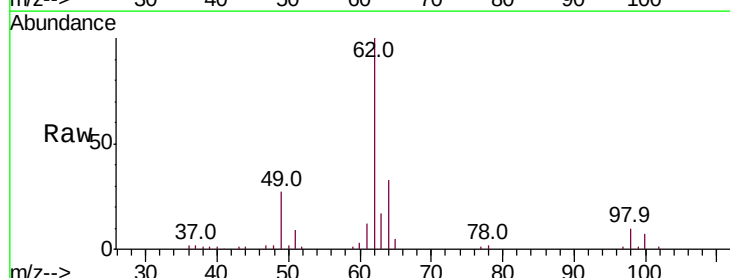
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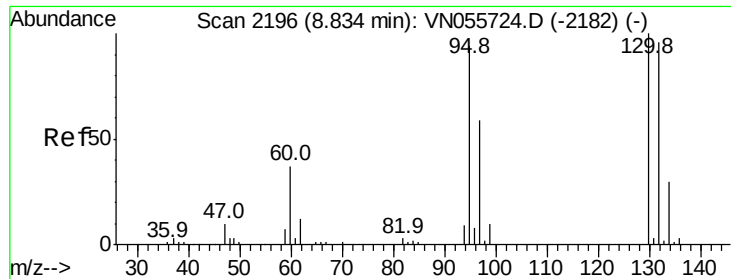
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.764 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 62 Resp: 89347
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2





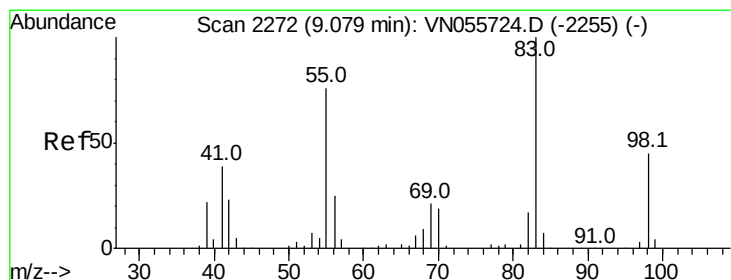
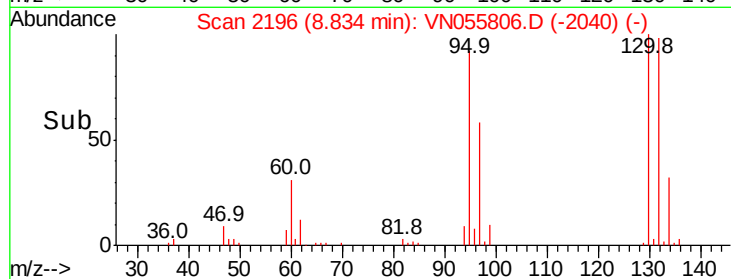
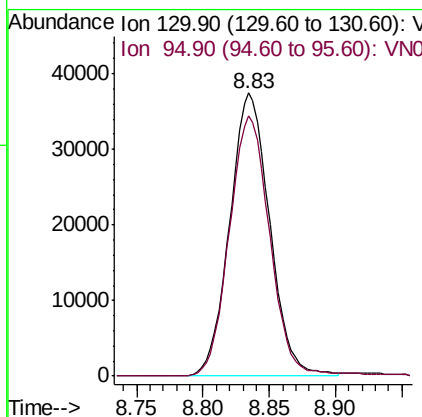
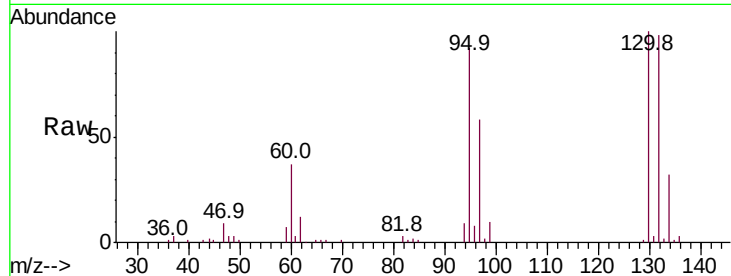
#37
 Trichloroethene
 Concen: 20.279 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion:130 Resp: 78272
 Ion Ratio Lower Upper
 130 100
 95 92.1 75.6 113.4

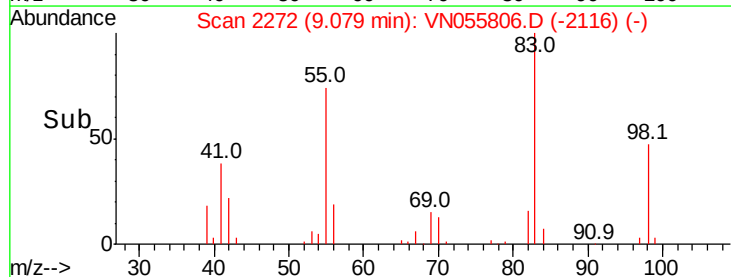
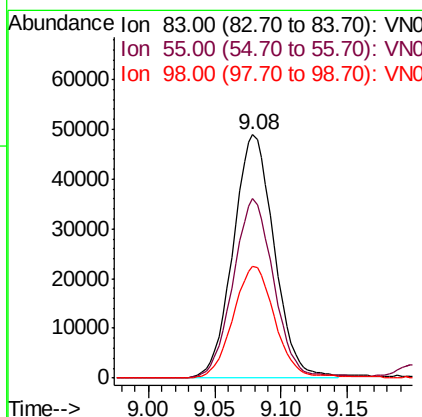
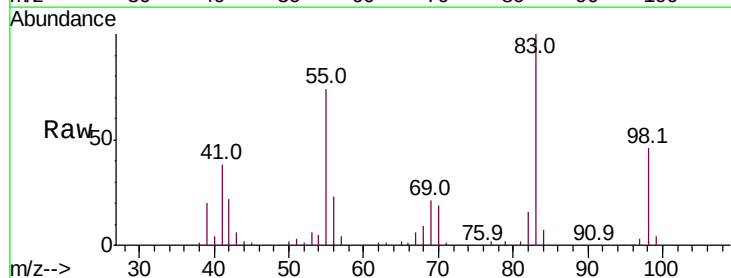
Manual Integrations
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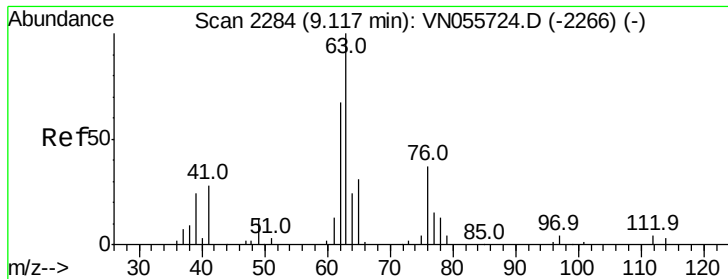
MMDadoda
 5/28/2019 10:36:13 AM



#38
 Methylcyclohexane
 Concen: 18.539 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion: 83 Resp: 105245
 Ion Ratio Lower Upper
 83 100
 55 73.5 37.8 113.4
 98 47.0 22.6 67.8





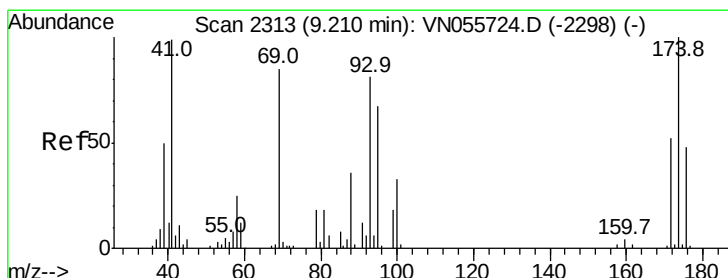
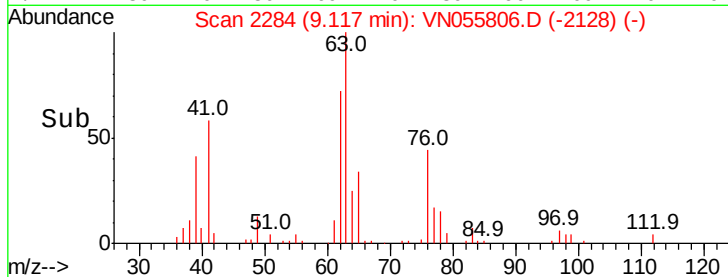
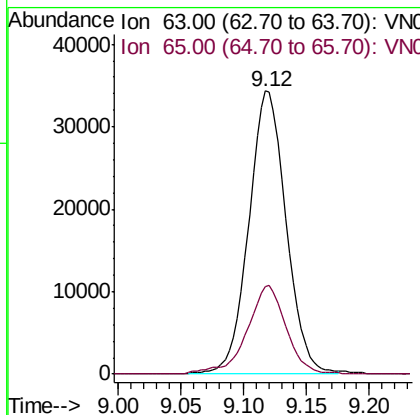
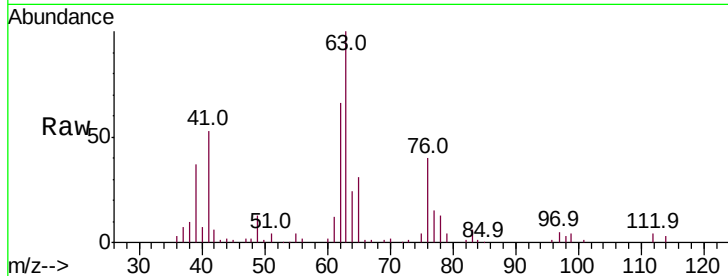
#39
 1,2-Dichloropropane
 Concen: 19.153 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.8	38.8

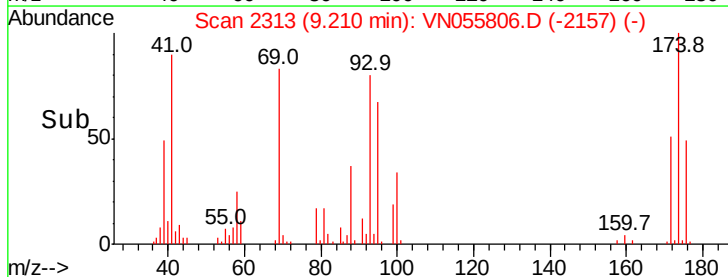
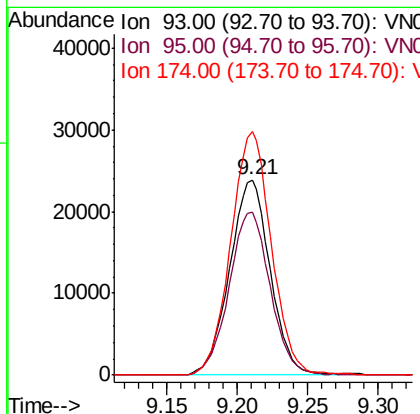
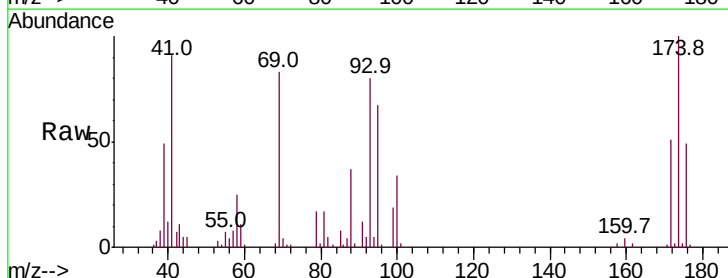
Manual Integrations
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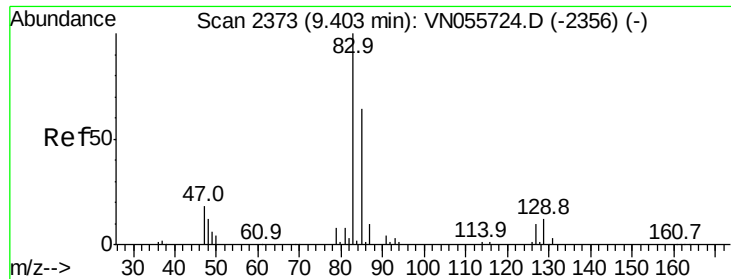
MMDadoda
 5/28/2019 10:36:13 AM



#40
 Dibromomethane
 Concen: 19.983 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	0.0	170.6
174	124.8	0.0	248.4





#41

Bromodichloromethane

Concen: 19.021 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

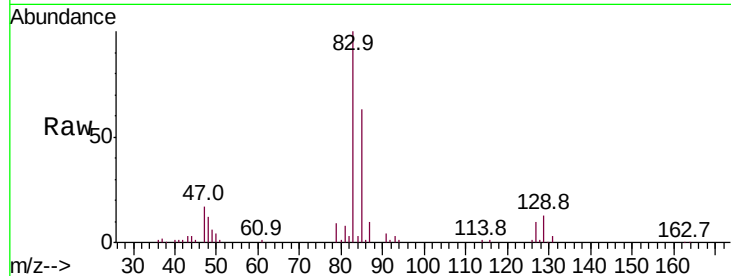
ClientSampleId :

VN0524WBSD01

Tot Ion:	83	Resp:	93613
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	10.7	7.7	11.5

Manual Integrations
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MMDadoda
5/28/2019 10:36:13 AM

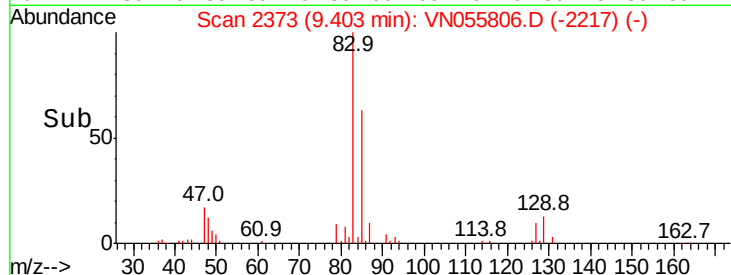


Abundance Ion 83.00 (82.70 to 83.70): VN055724.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN055724.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN055724.D (-2356) (-)

Time-->

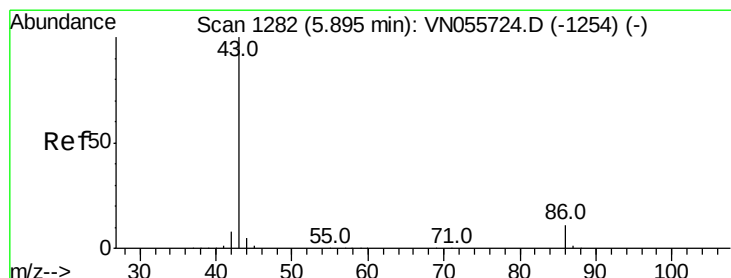


Abundance Ion 83.00 (82.70 to 83.70): VN055806.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN055806.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN055806.D (-2217) (-)

Time-->



#42

Vinyl Acetate

Concen: 92.006 ug/l

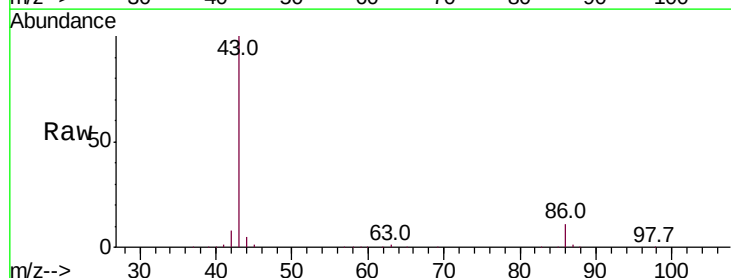
RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

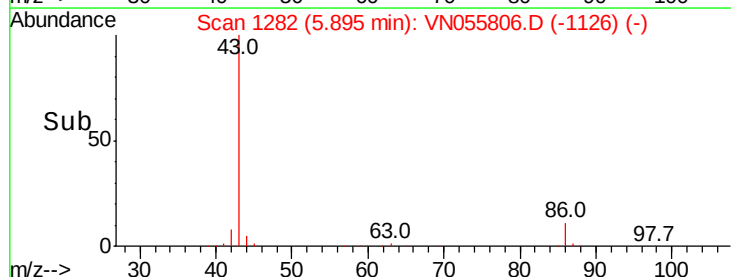
Tgt Ion:	43	Resp:	853125
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.4	11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055724.D (-1254) (-)

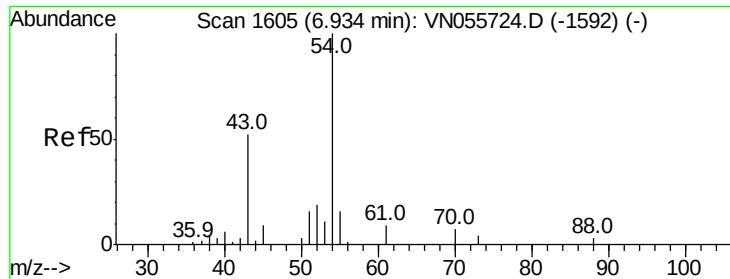
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN055806.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN055806.D (-1126) (-)

Time-->



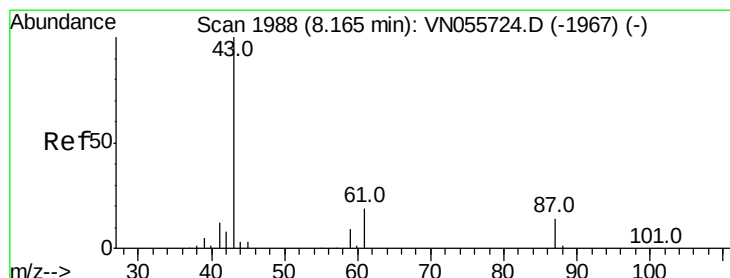
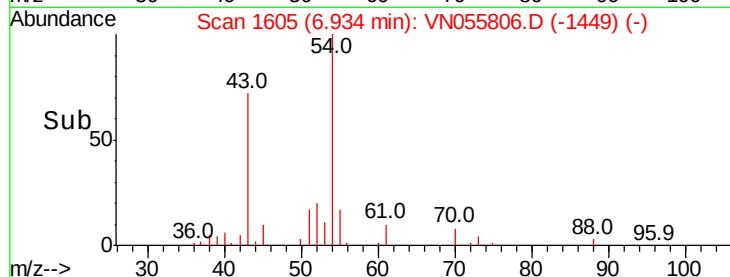
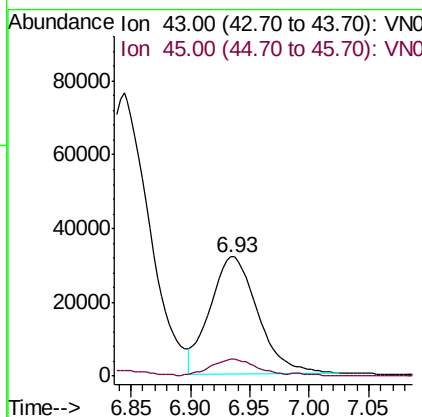
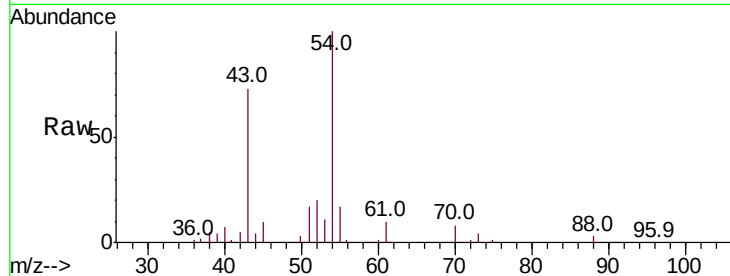
#43
Ethyl Acetate
Concen: 18.674 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion: 43 Resp: 87664
Ion Ratio Lower Upper
43 100
45 12.7 0.0 0.0#

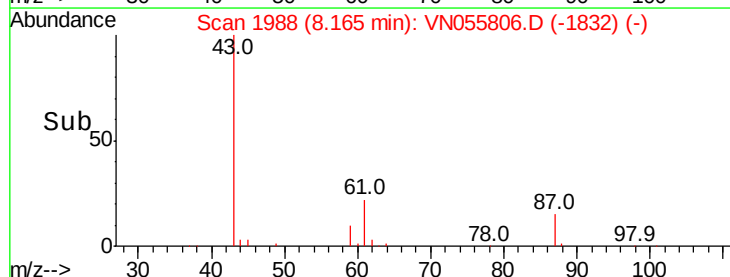
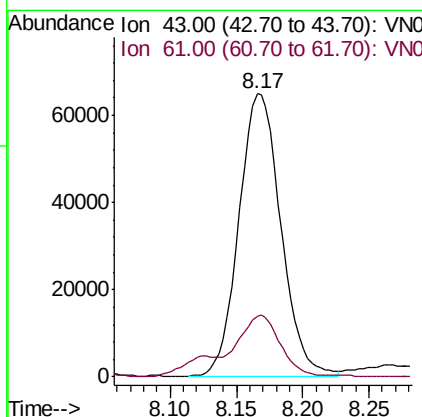
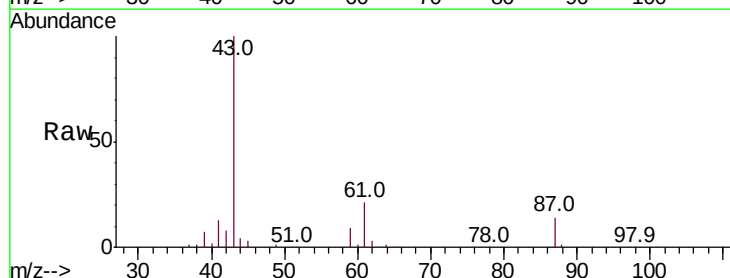
Manual Integrations
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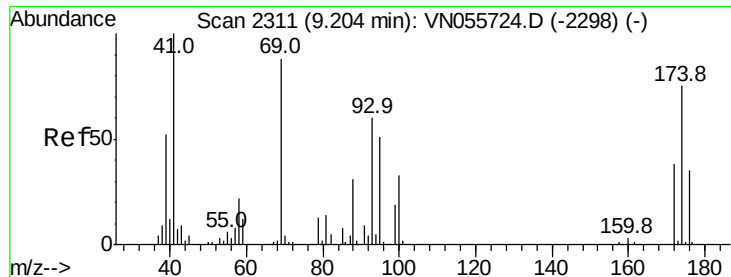
MMDadoda
5/28/2019 10:36:13 AM



#44
Isopropyl Acetate
Concen: 18.294 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion: 43 Resp: 142206
Ion Ratio Lower Upper
43 100
61 20.3 22.1 33.1#





#45

1,4-Dioxane

Concen: 390.435 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

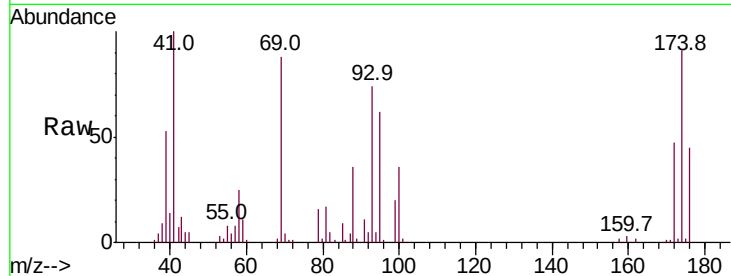
ClientSampleId :

VN0524WBSD01

Tot Ion:	88	Resp:	28553
Ion	Ratio	Lower	Upper
88	100		
43	26.6	20.5	30.7
58	65.2	56.1	84.1

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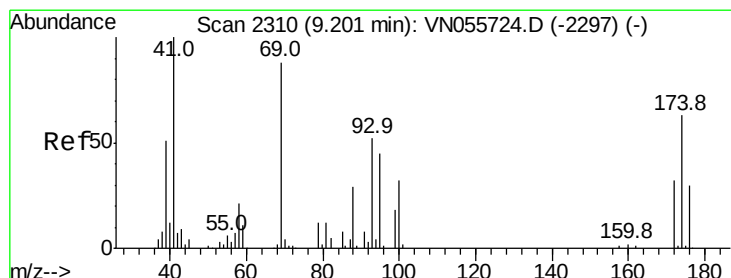
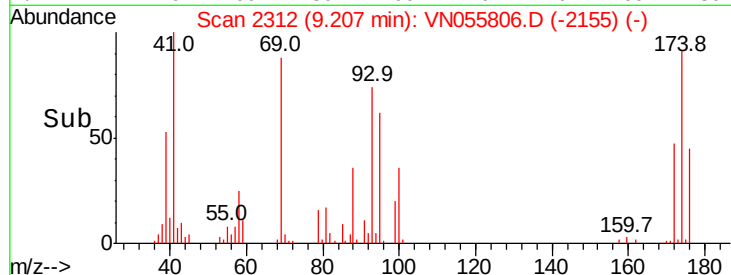
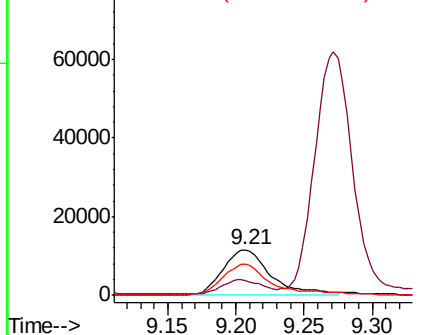


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 19.260 ug/l

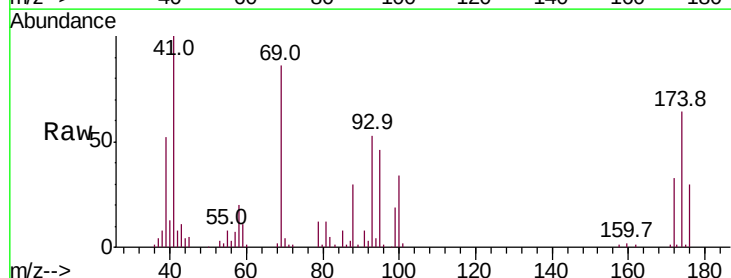
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	41	Resp:	69854
Ion	Ratio	Lower	Upper
41	100		
69	86.6	43.8	131.4
39	51.7	25.6	76.6

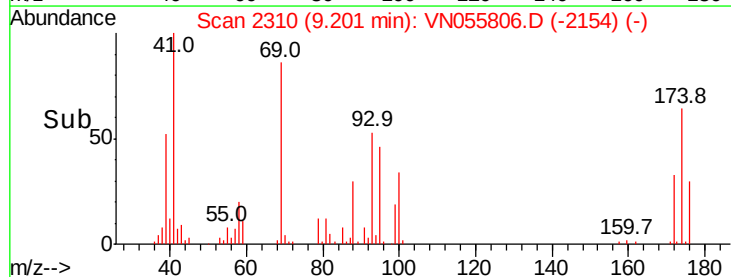
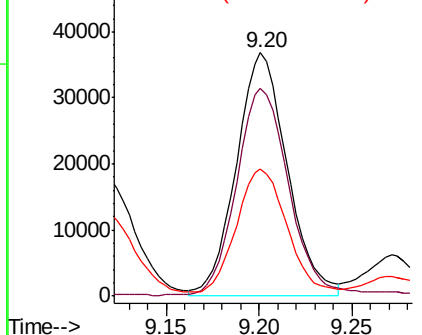


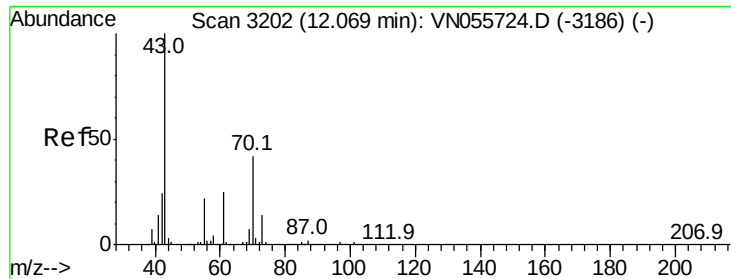
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 17.820 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 43 Resp: 114578

Ion Ratio Lower Upper

43 100

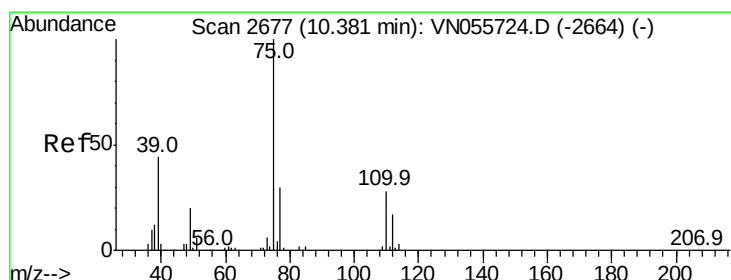
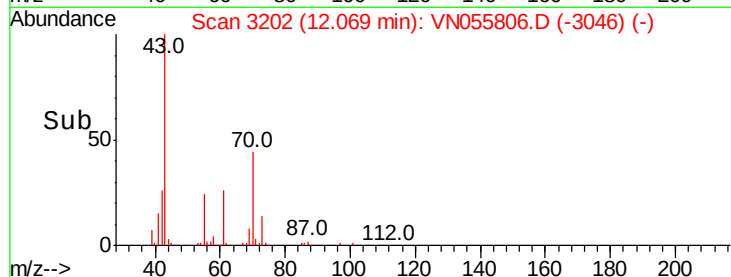
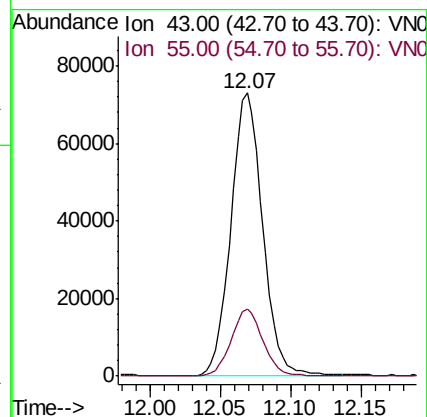
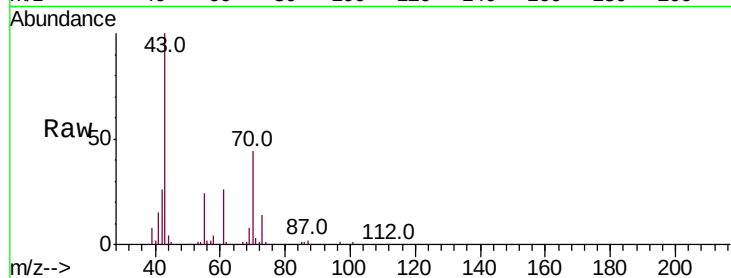
55 23.8 17.8 26.6

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#48

t-1,3-Dichloropropene

Concen: 17.480 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055806.D

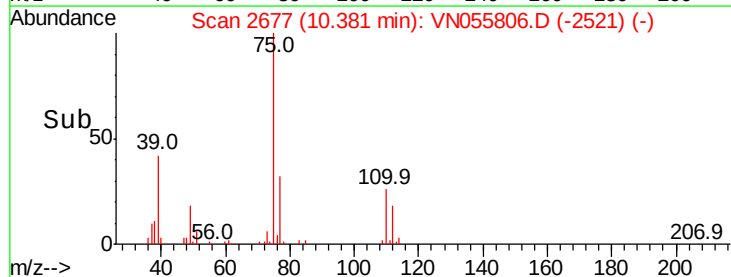
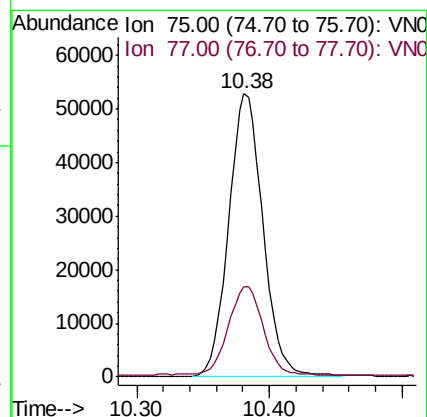
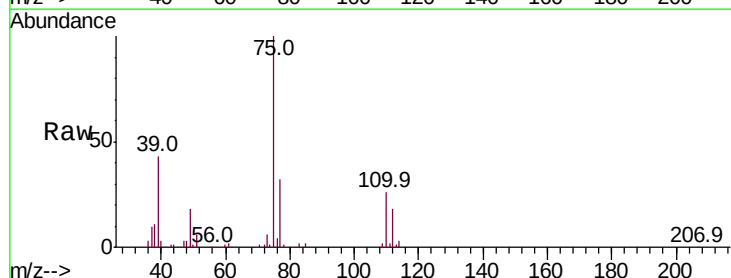
Acq: 24 May 2019 19:28

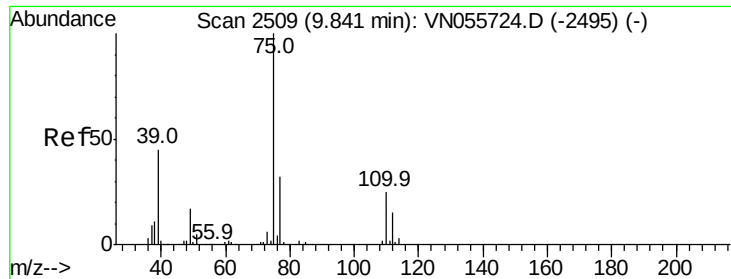
Tgt Ion: 75 Resp: 94966

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8





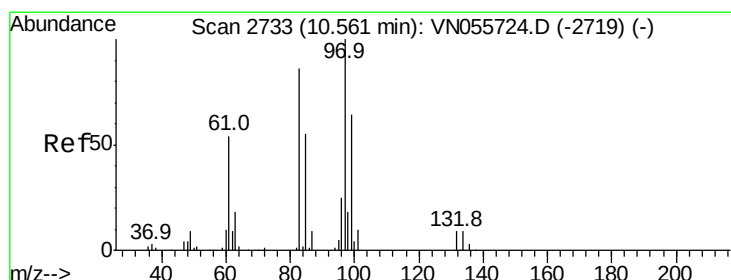
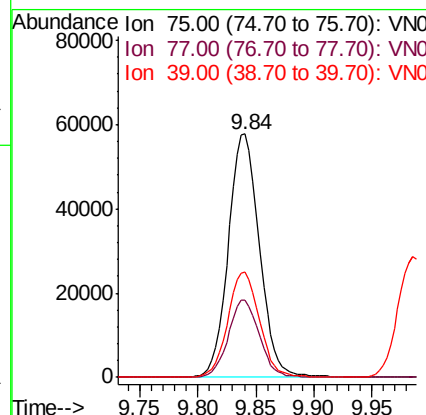
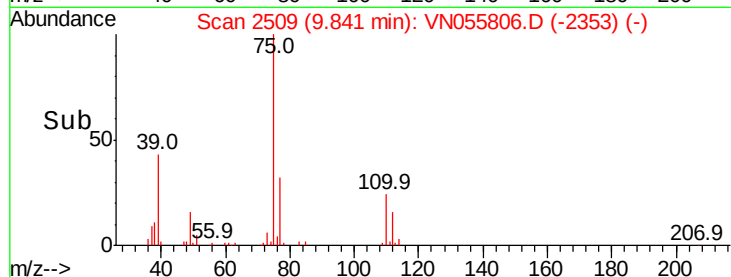
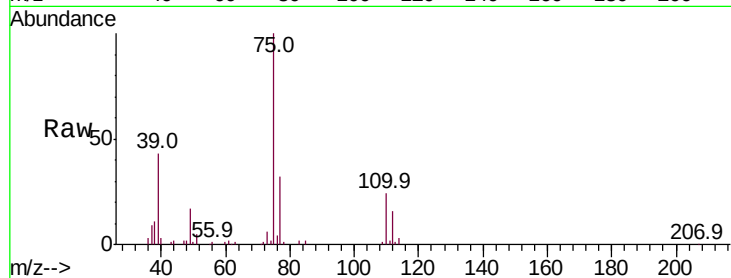
#49
 cis-1,3-Dichloropropene
 Concen: 18.108 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.0	39.0
39	43.0	36.2	54.4

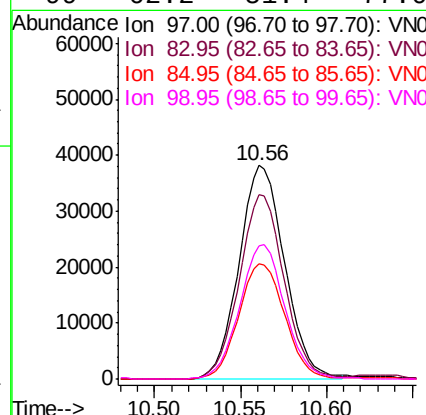
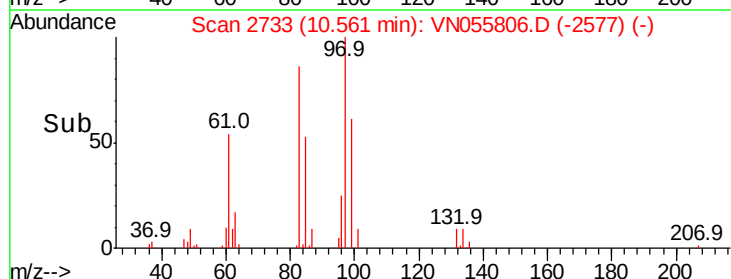
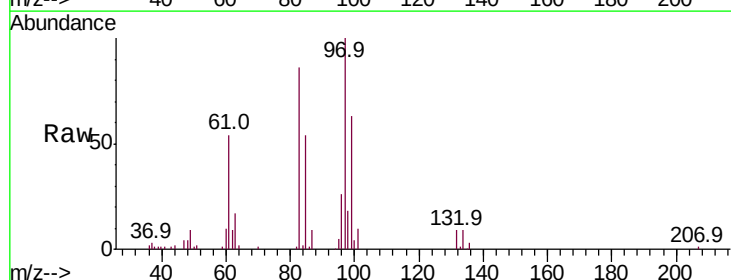
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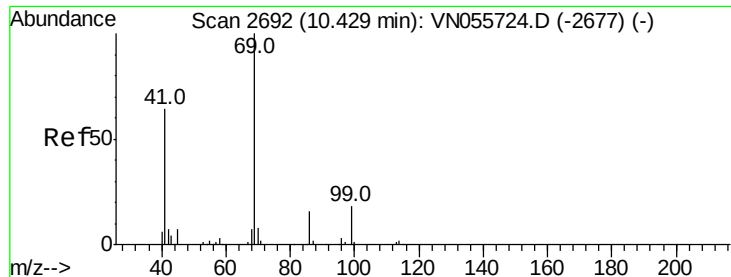
MMDadoda
 5/28/2019 10:36:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.062 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.9	103.3
85	54.1	44.3	66.5
99	62.2	51.4	77.0





#51

Ethyl methacrylate

Concen: 18.919 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

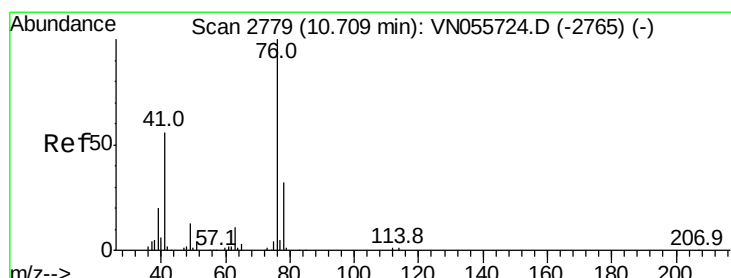
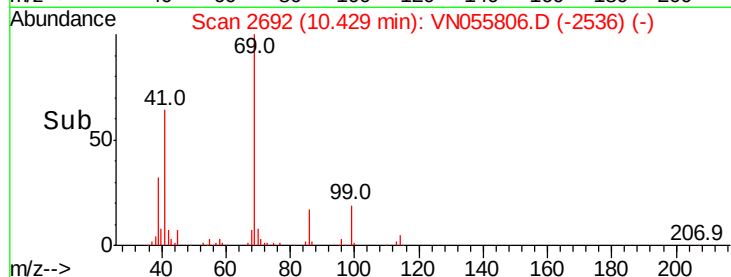
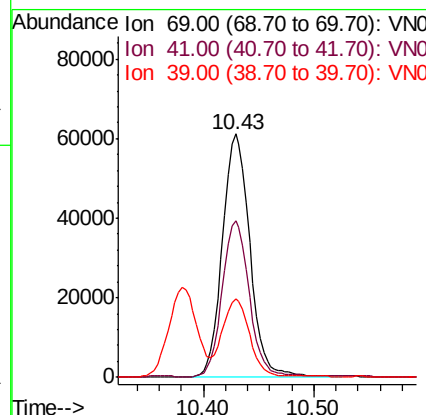
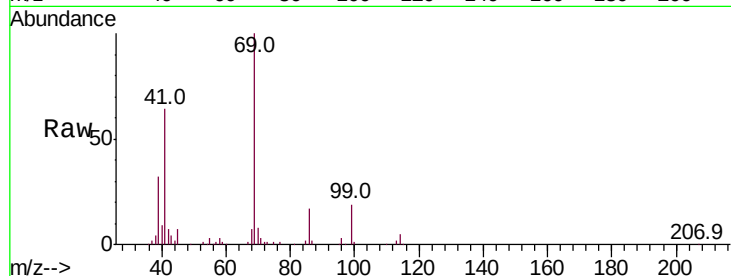
ClientSampled :

VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	63.9	31.9	95.7
39	32.0	15.7	47.0

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#52

1,3-Dichloropropane

Concen: 19.571 ug/l

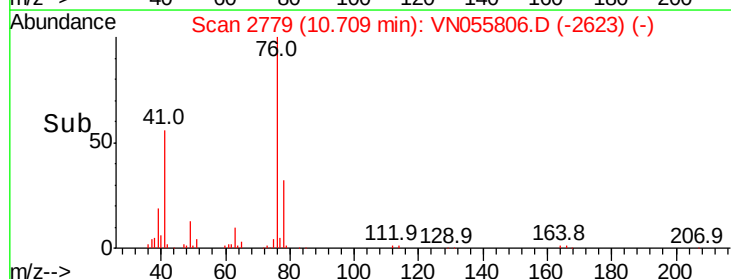
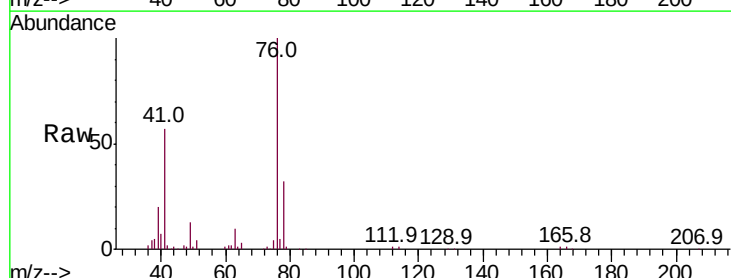
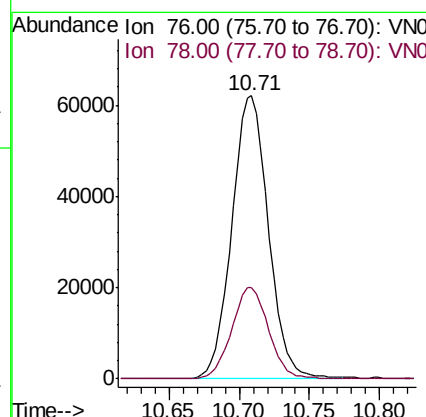
RT: 10.71 min Scan# 2779

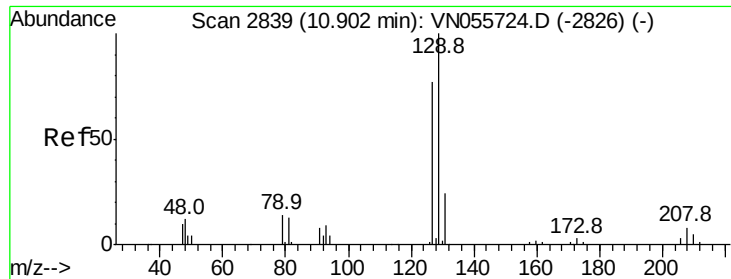
Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.0





#53

Dibromochloromethane

Concen: 18.975 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion:129 Resp: 78362

Ion Ratio Lower Upper

129 100

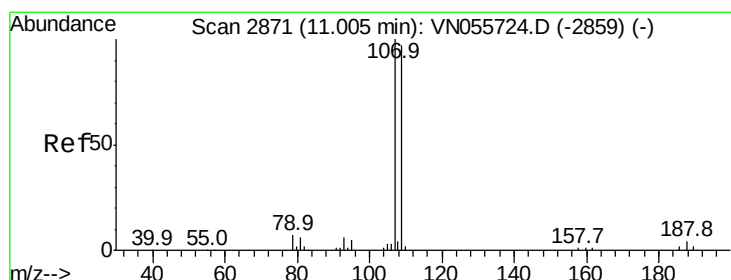
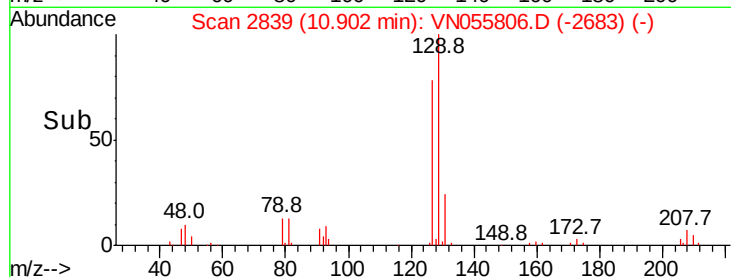
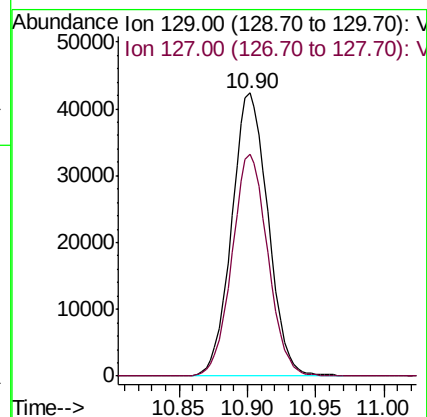
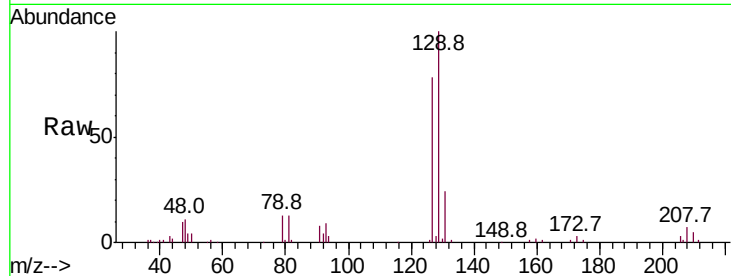
127 77.2 39.2 117.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 20.023 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055806.D

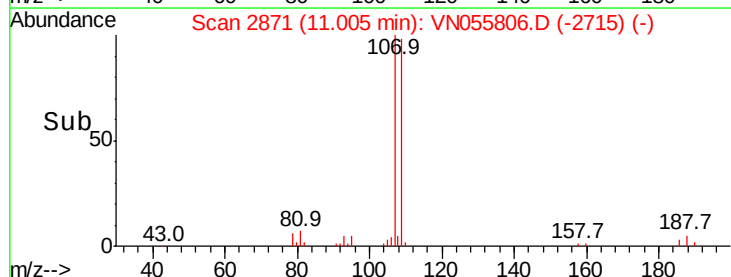
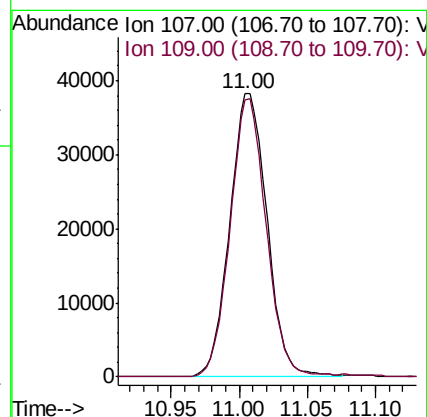
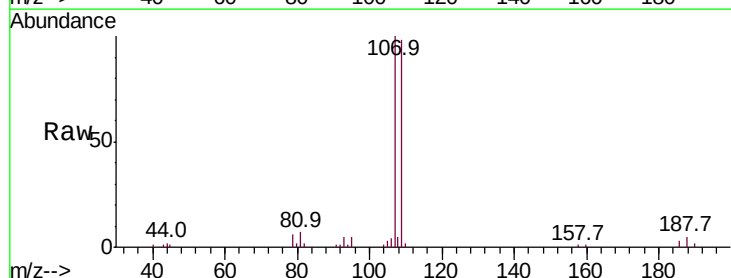
Acq: 24 May 2019 19:28

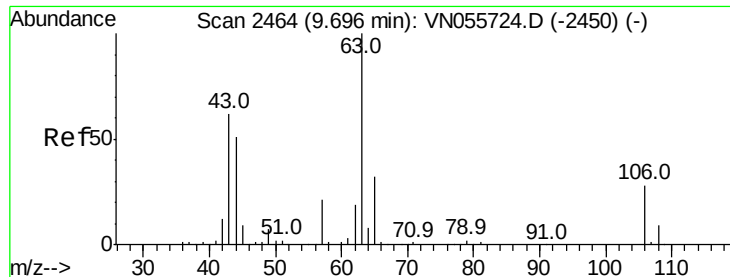
Tgt Ion:107 Resp: 72434

Ion Ratio Lower Upper

107 100

109 95.2 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 87.812 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

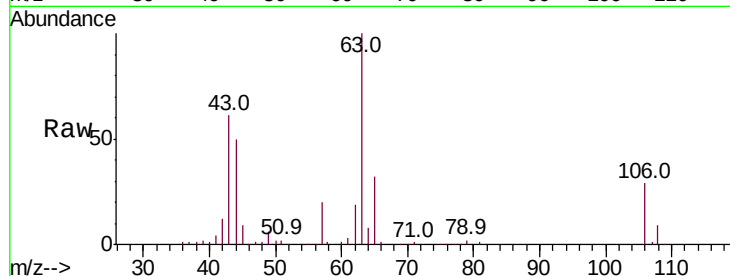
ClientSampleId :

VN0524WBSD01

Tot Ion:	63	Resp:	192521
Ion Ratio	Lower	Upper	
63	100		
65	32.4	25.4	38.0
106	29.2	22.1	33.1

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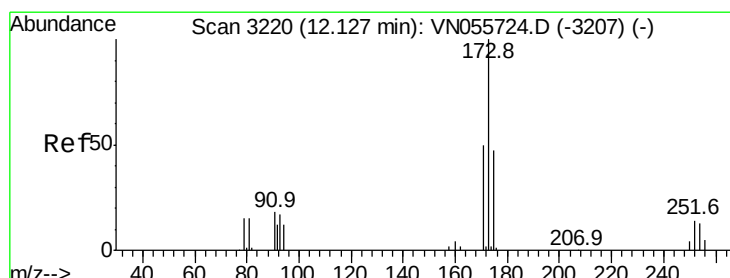
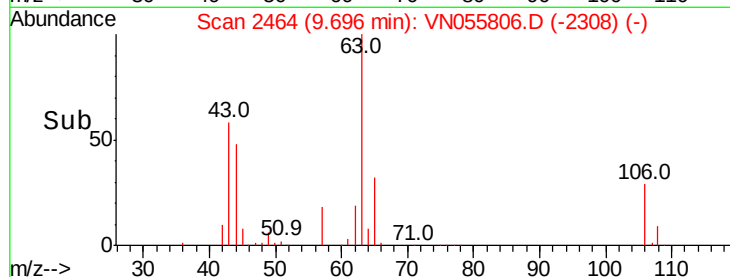
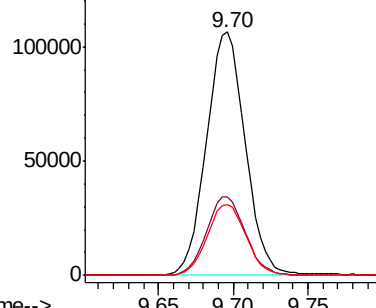


Abundance

Ion 63.00 (62.70 to 63.70): VN055806.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN055806.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN055806.D (-2308) (-)



#56

Bromoform

Concen: 17.700 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

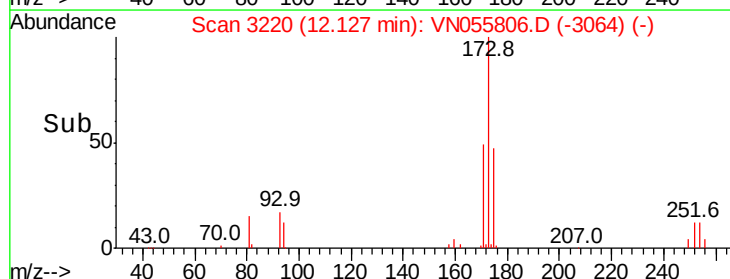
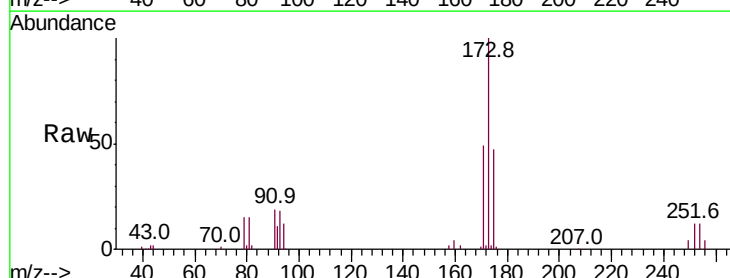
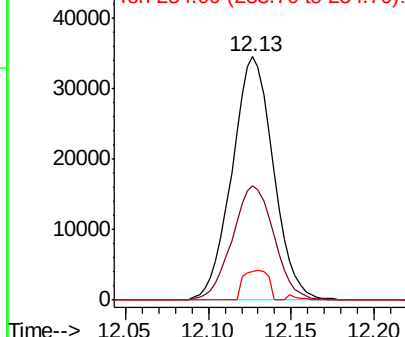
Tgt Ion:	173	Resp:	59959
Ion Ratio	Lower	Upper	
173	100		
175	47.4	38.5	57.7
254	7.3	9.4	14.0#

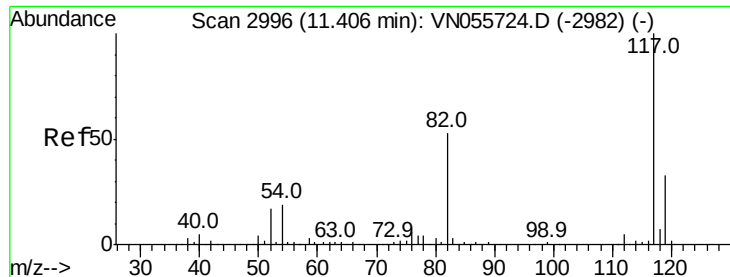
Abundance

Ion 173.00 (172.70 to 173.70): VN055806.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN055806.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN055806.D (-3064) (-)





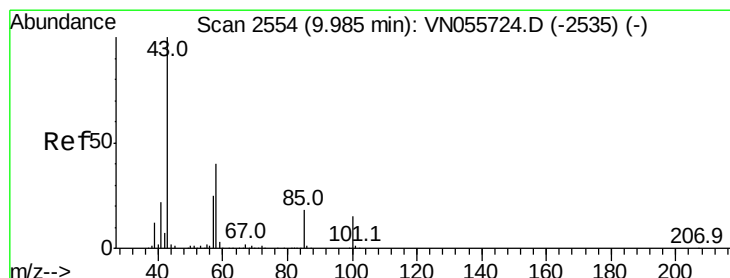
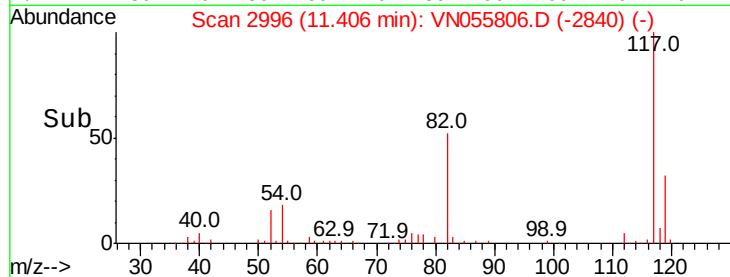
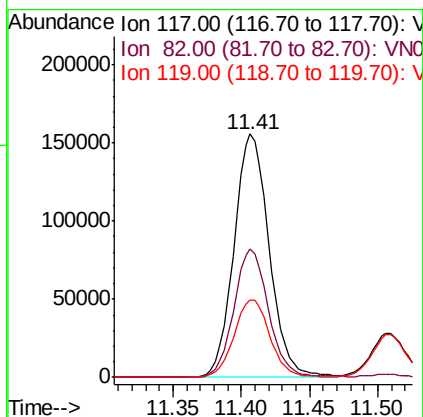
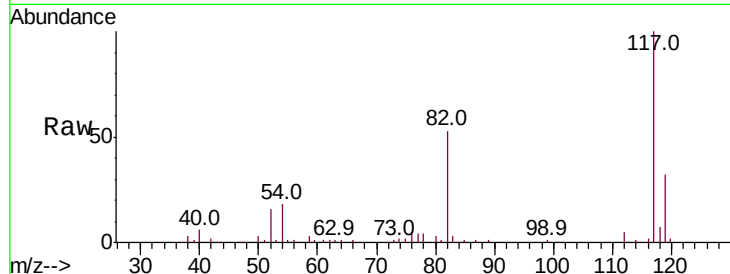
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	279345		
82	52.0		42.6	64.0
119	32.4		25.9	38.9

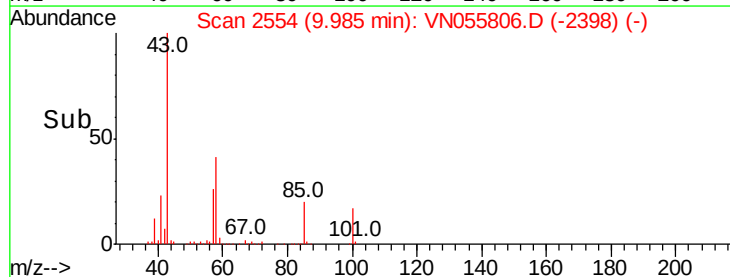
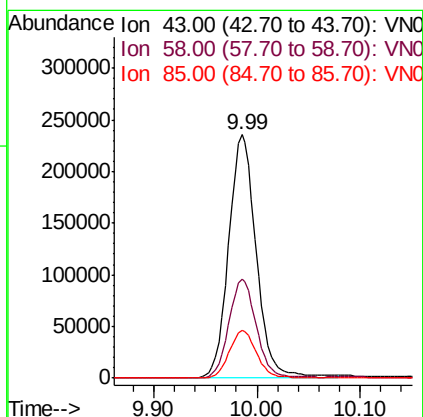
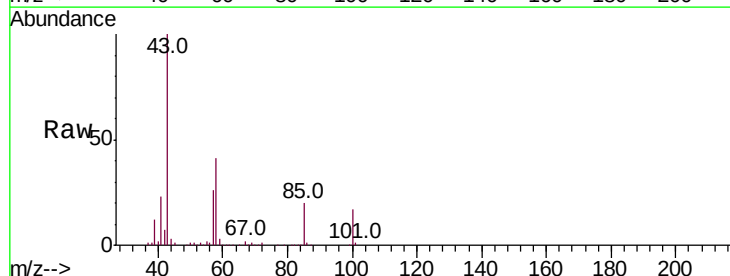
Manual Integrations
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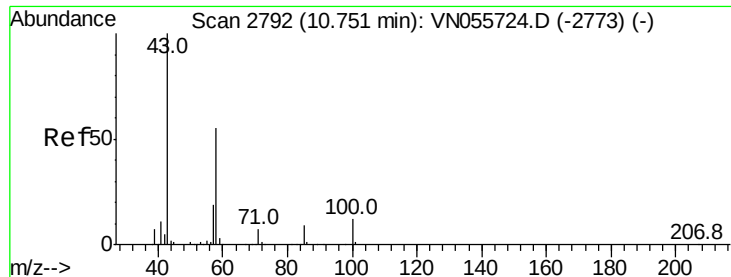
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 94.886 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	438794		
58	40.7		31.7	47.5
85	19.5		14.5	21.7





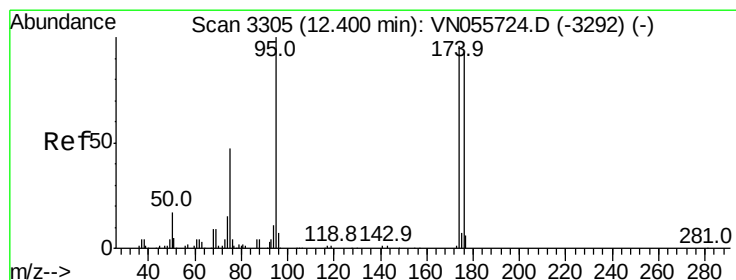
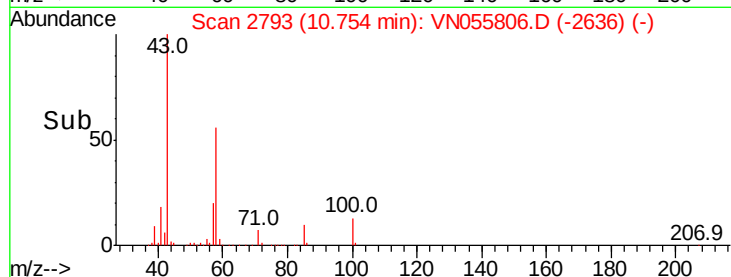
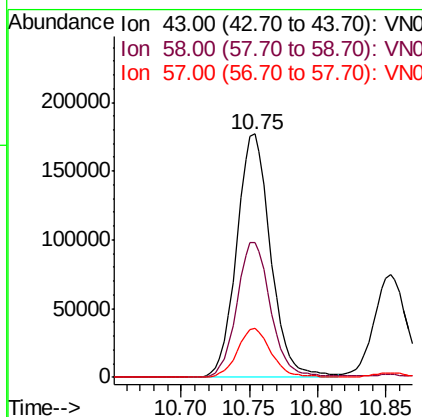
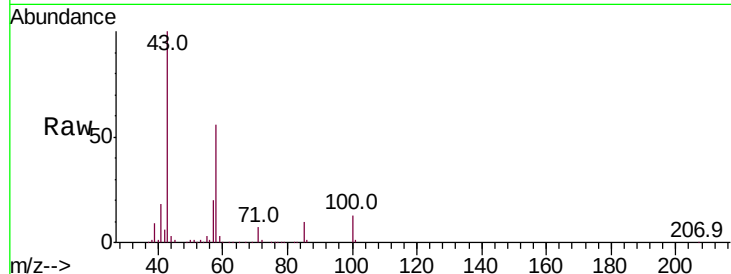
#59
2-Hexanone
Concen: 92.226 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.8	67.2
57	20.2	15.3	22.9

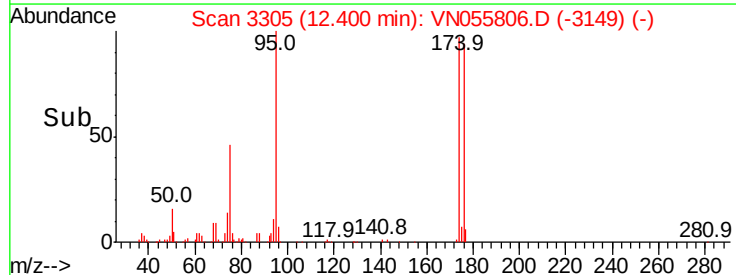
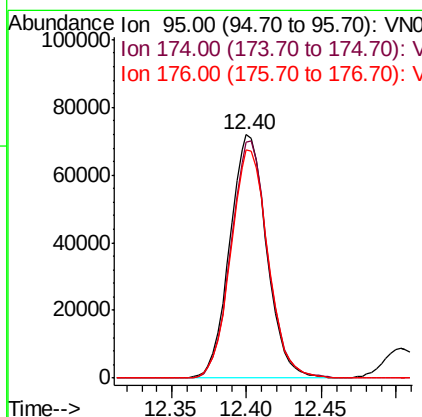
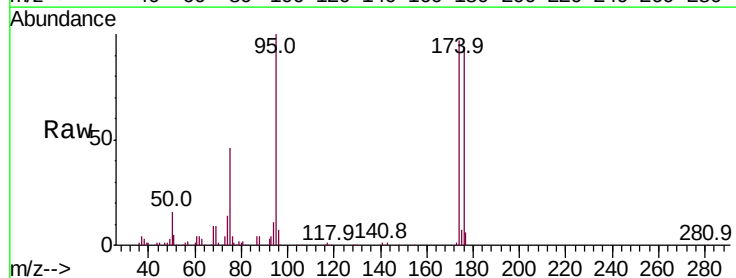
Manual Integrations
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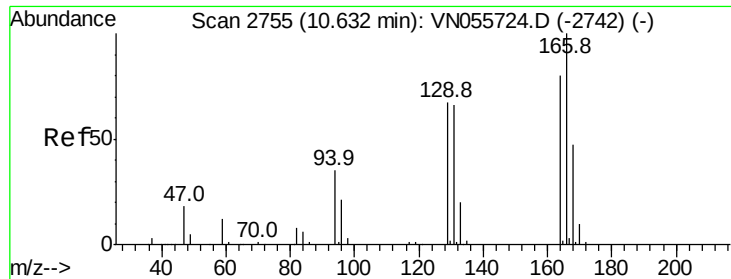
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.311 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.4	75.7	113.5
176	95.2	74.1	111.1





#61

Tetrachloroethene

Concen: 21.297 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion:164 Resp: 80533

Ion Ratio Lower Upper

164 100

166 128.7 100.6 150.8

129 86.7 67.4 101.2

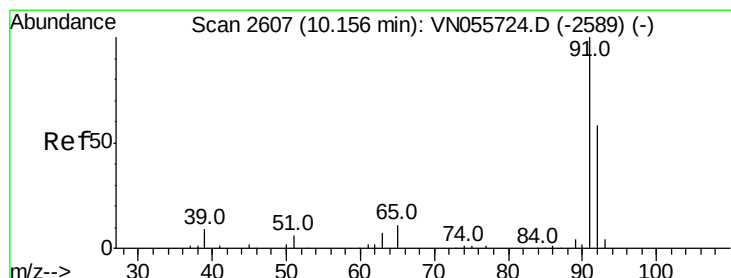
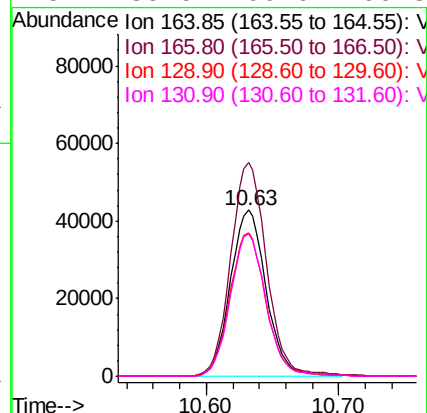
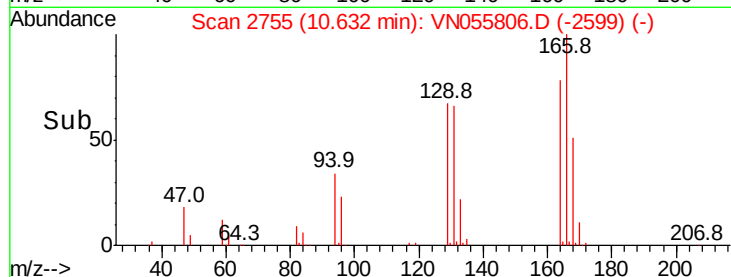
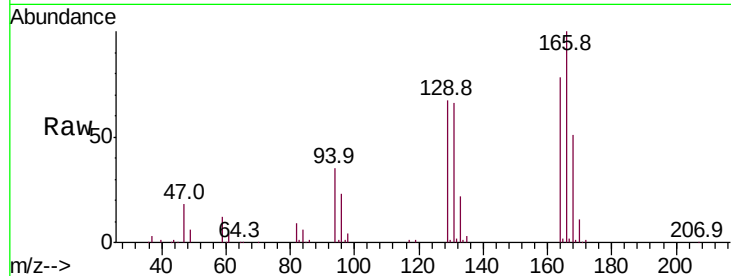
131 85.5 66.6 99.8

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#62

Toluene

Concen: 20.345 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055806.D

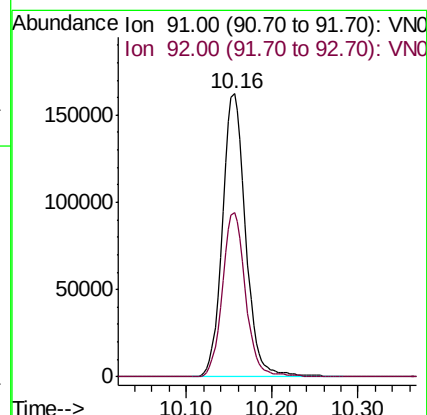
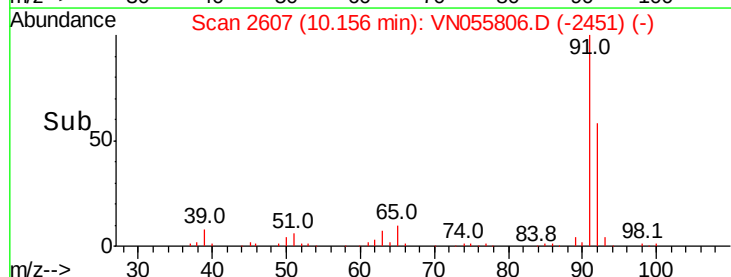
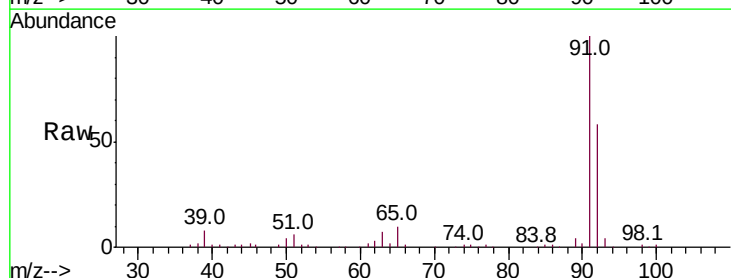
Acq: 24 May 2019 19:28

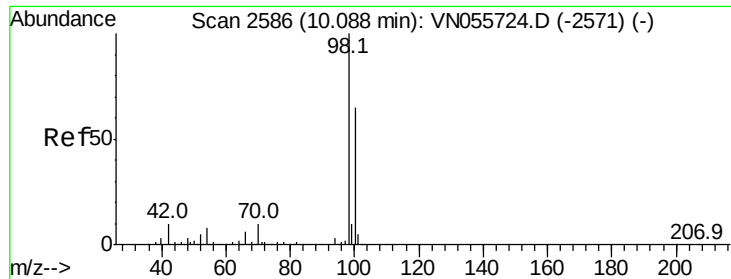
Tgt Ion: 91 Resp: 305624

Ion Ratio Lower Upper

91 100

92 57.8 45.6 68.4





#63

Toluene-d8

Concen: 29.902 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 98 Resp: 381718

Ion Ratio Lower Upper

98 100

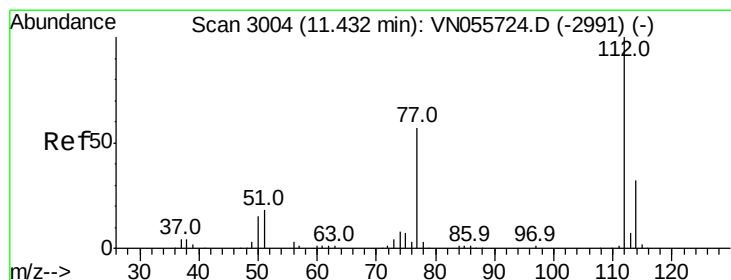
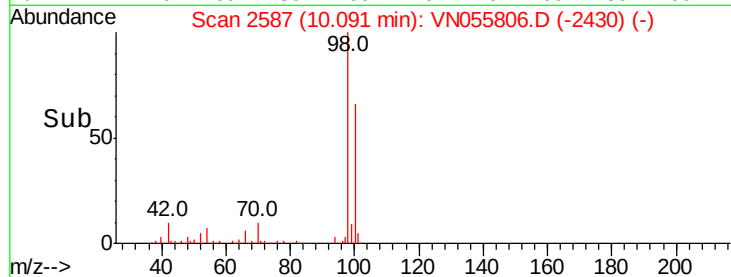
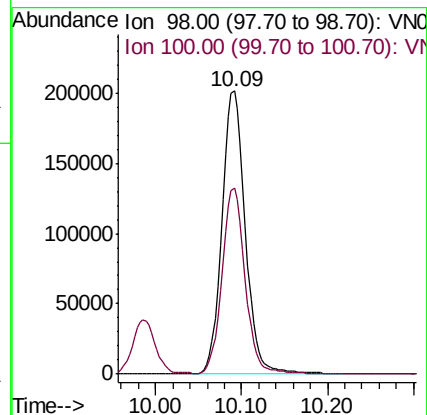
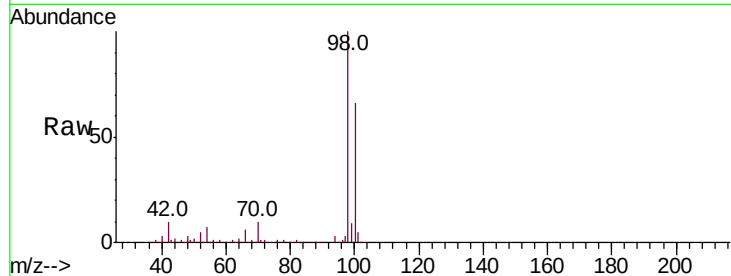
100 64.6 51.6 77.4

Manual Integrations

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#64

Chlorobenzene

Concen: 20.458 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055806.D

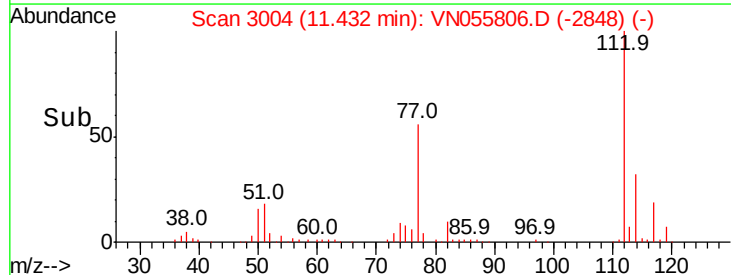
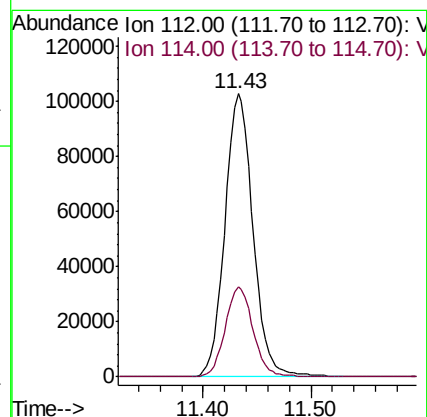
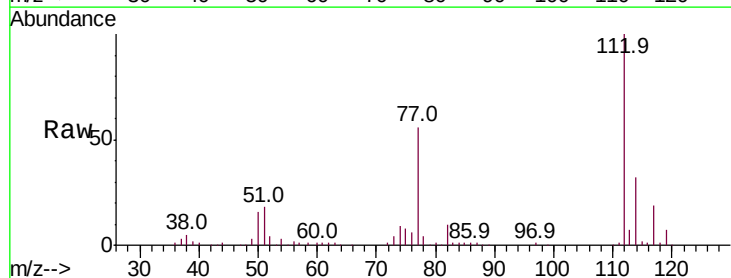
Acq: 24 May 2019 19:28

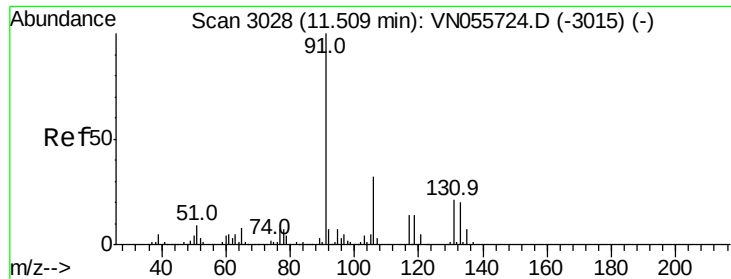
Tgt Ion: 112 Resp: 186425

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.901 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

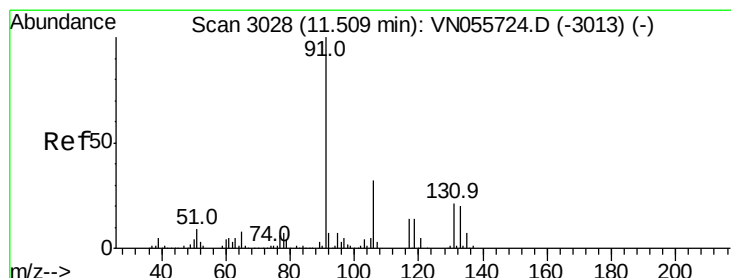
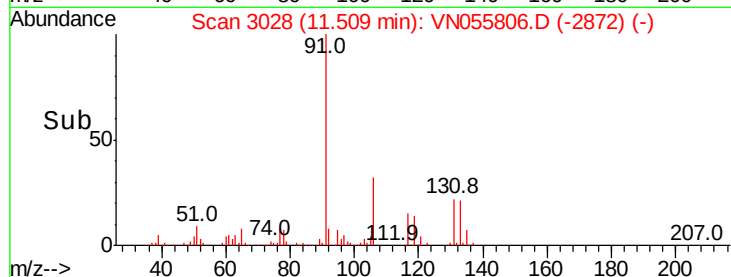
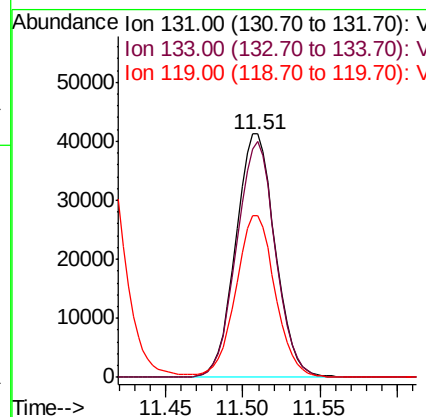
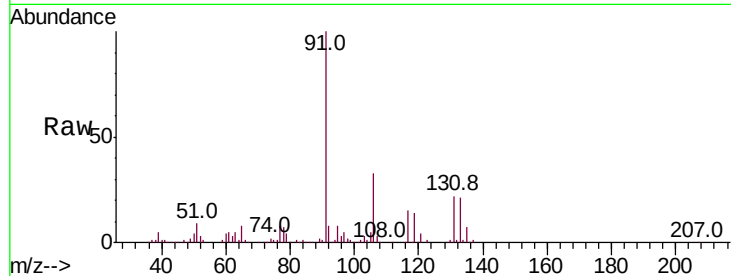
ClientSampled :

VN0524WBSD01

Tot Ion:	131	Resp:	73066
Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	188.8
119	66.1	0.0	133.6

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#66

Ethyl Benzene

Concen: 19.978 ug/l

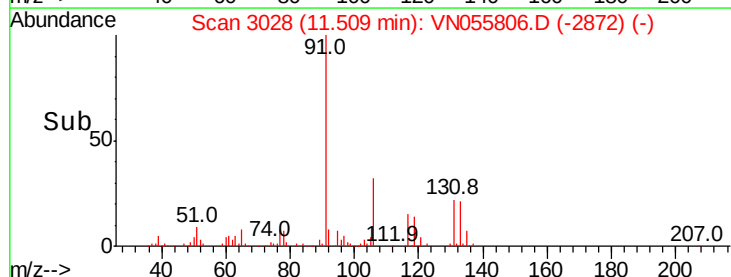
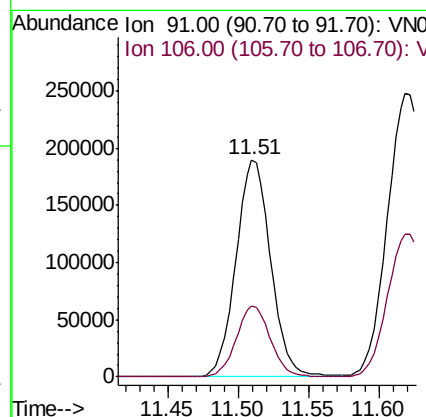
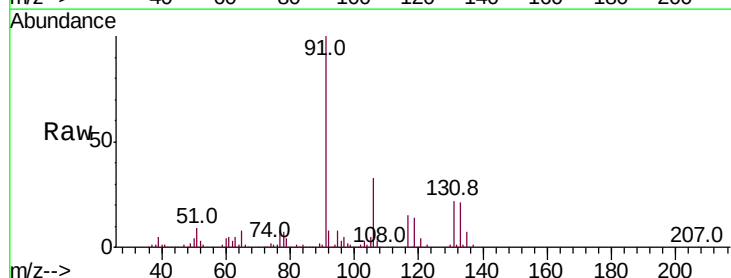
RT: 11.51 min Scan# 3028

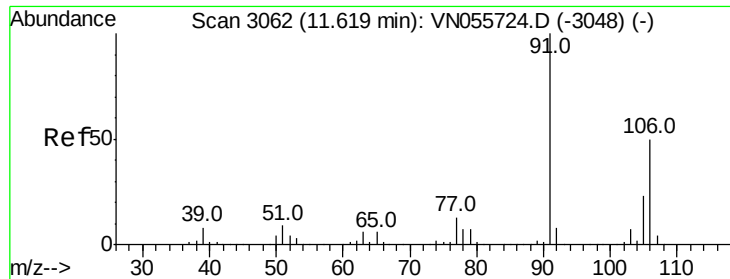
Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	91	Resp:	327906
Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.6	38.4





#67

m/p-Xylenes

Concen: 40.146 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampled :

VN0524WBSD01

Tot Ion:106 Resp: 250313

Ion Ratio Lower Upper

106 100

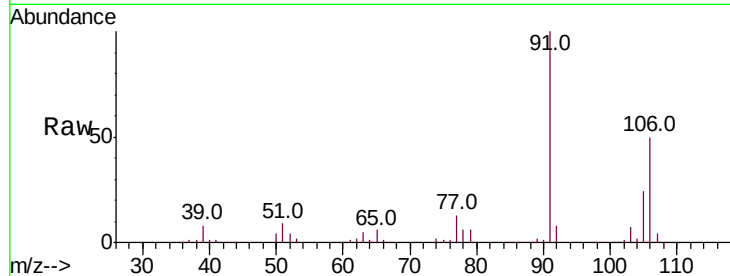
91 197.7 159.5 239.3

Manual Integrations

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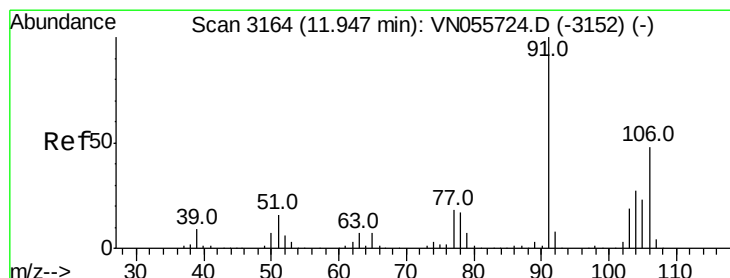
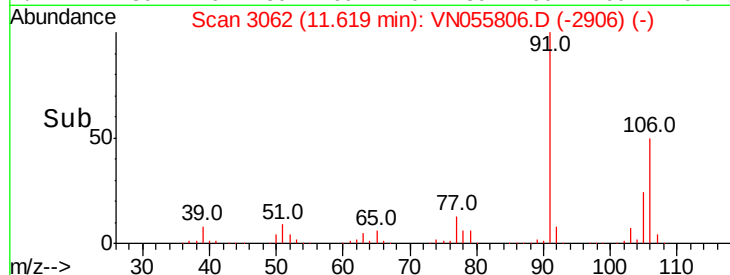
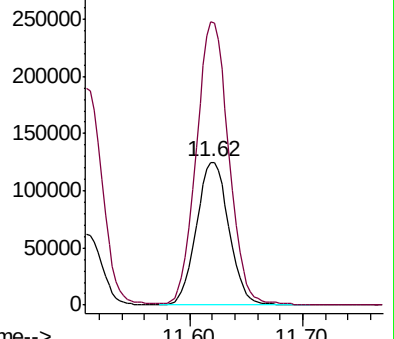
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.516 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055806.D

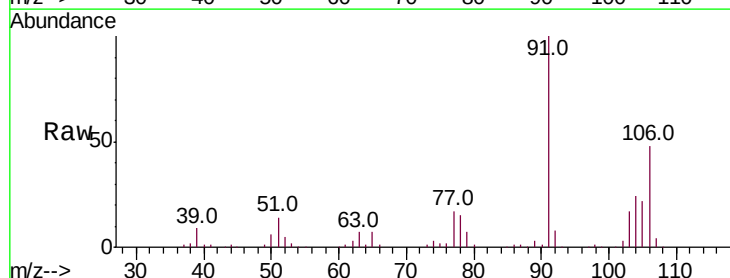
Acq: 24 May 2019 19:28

Tgt Ion:106 Resp: 126582

Ion Ratio Lower Upper

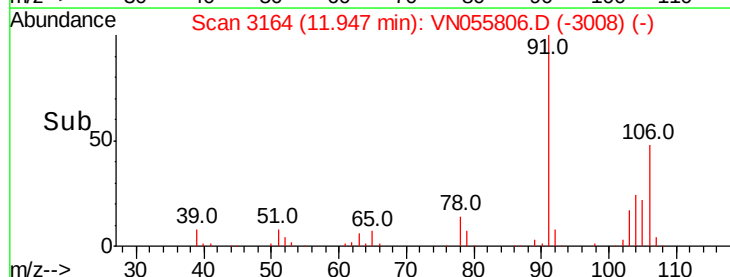
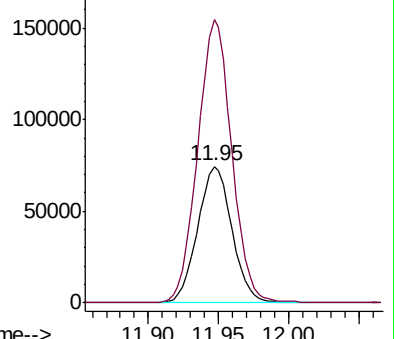
106 100

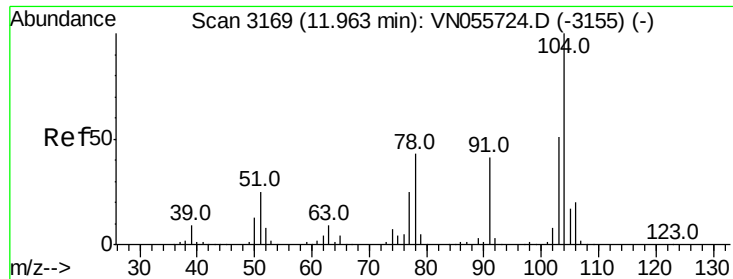
91 205.9 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





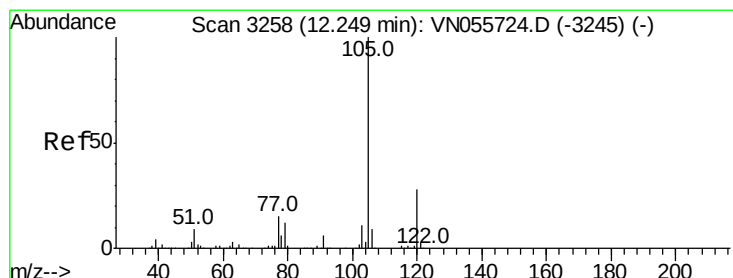
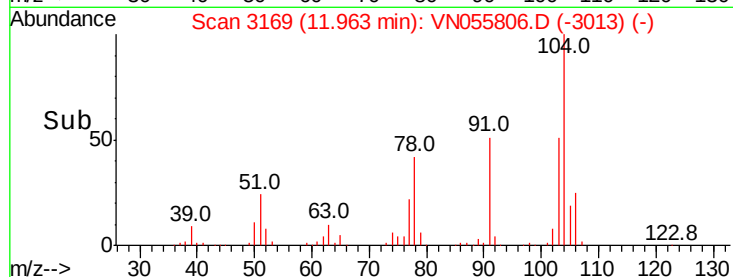
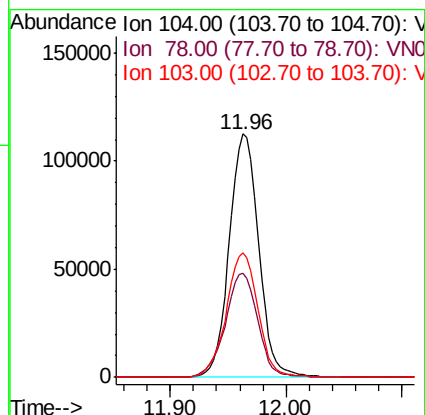
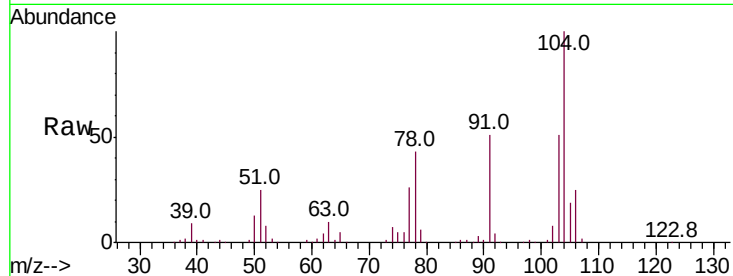
#69
Stvrene
Concen: 19.473 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.7	58.1
103	55.2	45.0	67.6

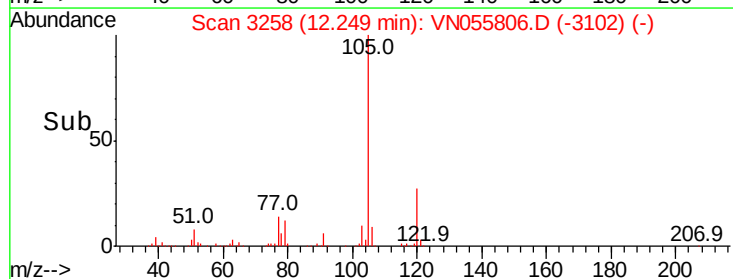
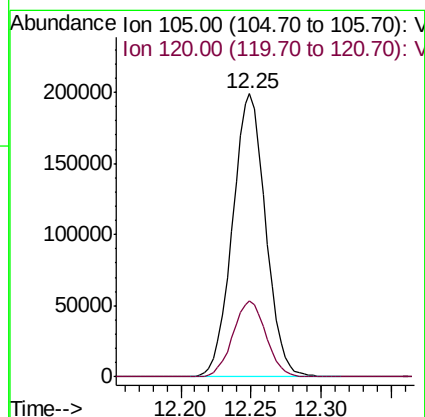
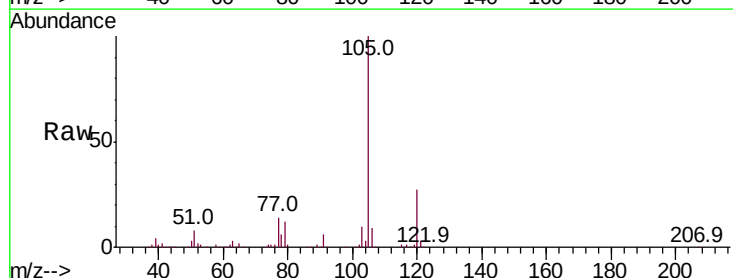
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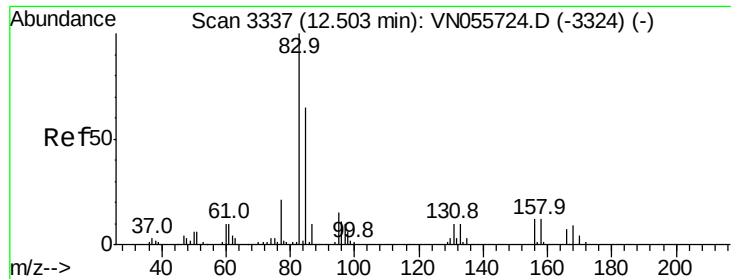
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#70
Isopropylbenzene
Concen: 20.227 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.2	35.6





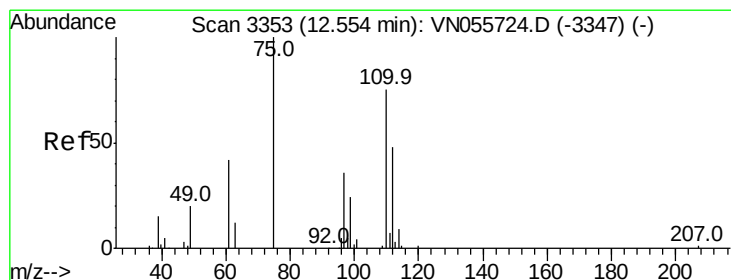
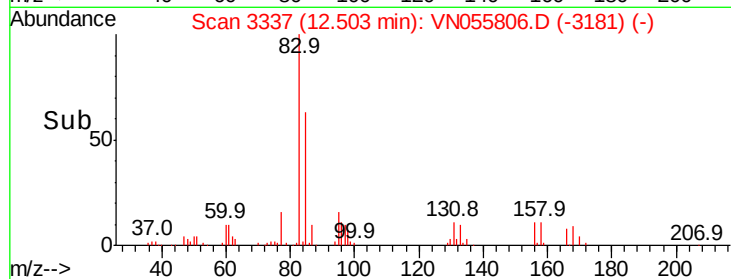
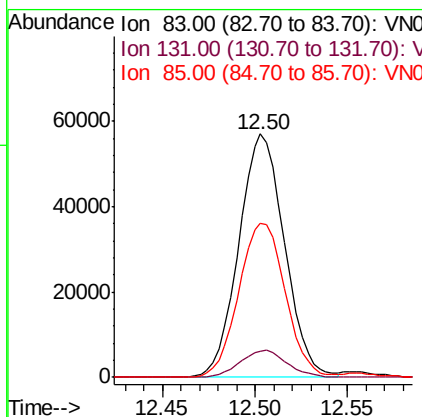
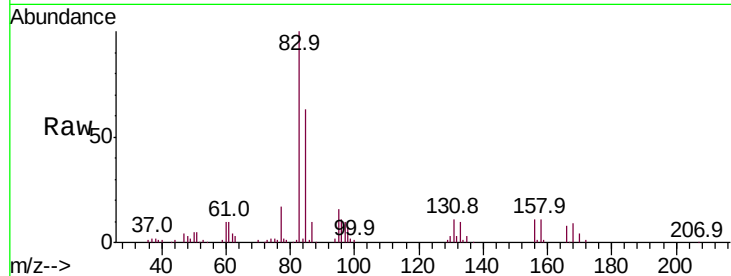
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.648 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	83	Resp	97616
Ion Ratio	100	Lower	Upper
131	11.4	5.3	15.8
85	64.4	32.3	96.9

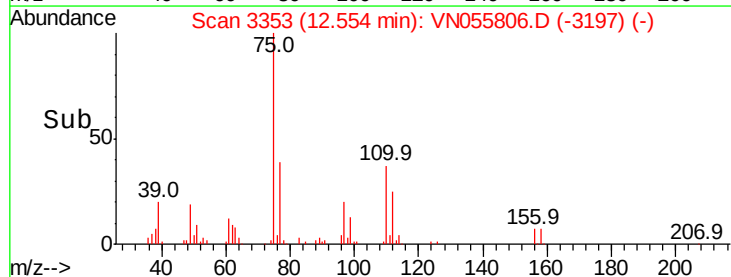
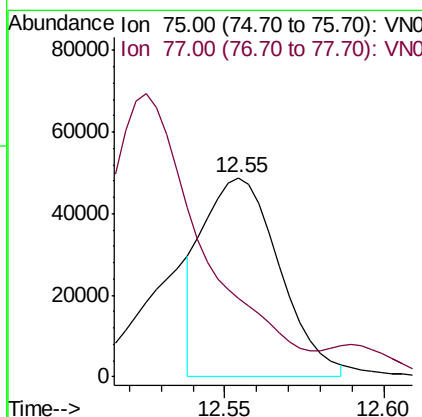
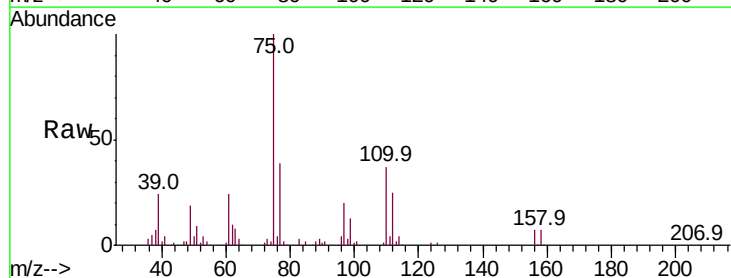
Manual Integrations
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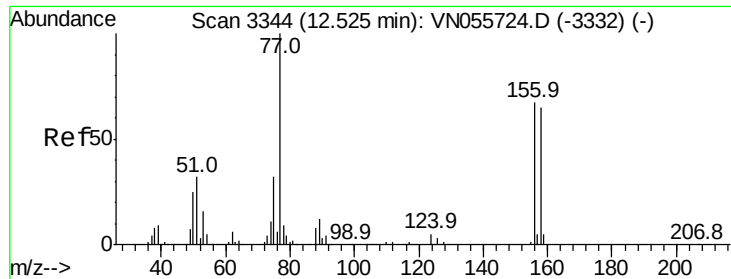
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#72
 1,2,3-Trichloropropane
 Concen: 18.931 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	75	Resp	80949
Ion Ratio	100	Lower	Upper
77	183.6	0.0	349.8





#73

Bromobenzene

Concen: 20.237 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

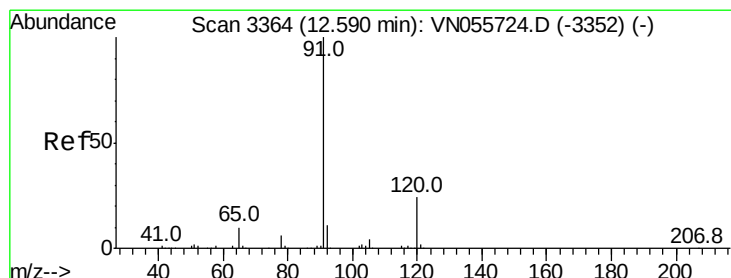
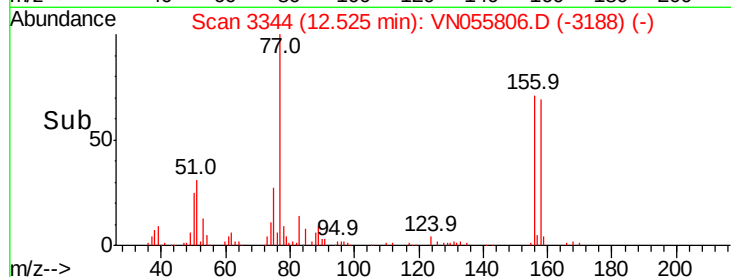
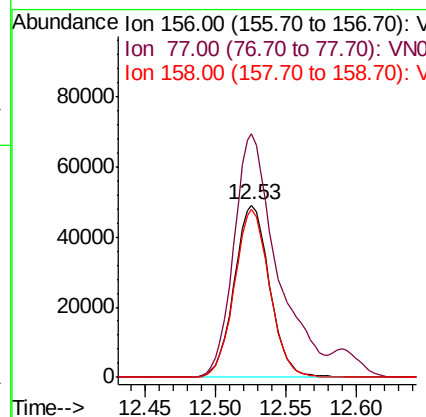
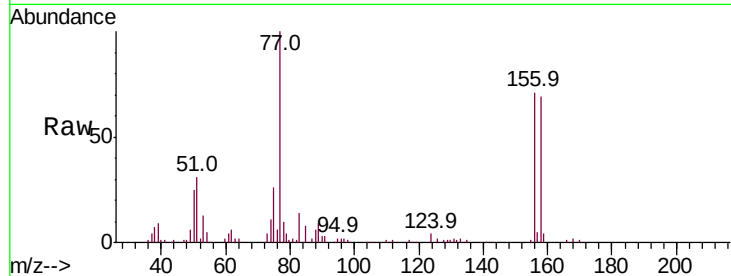
ClientSampleId :

VN0524WBSD01

Tot Ion:	156	Resp:	86427
Ion Ratio	Lower	Upper	
156	100		
77	172.0	0.0	368.0
158	96.3	0.0	195.0

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#74

n-propylbenzene

Concen: 19.217 ug/l

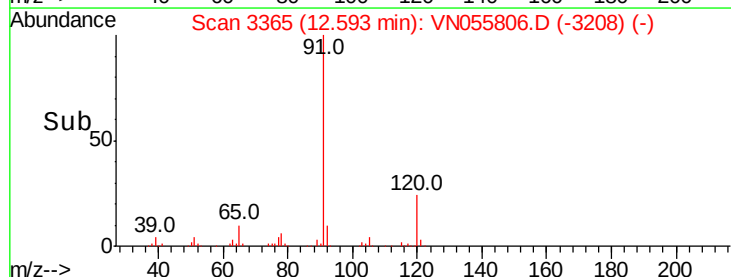
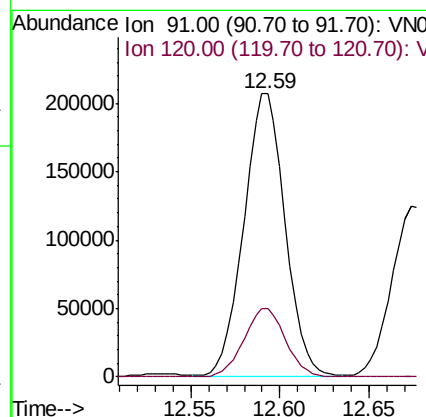
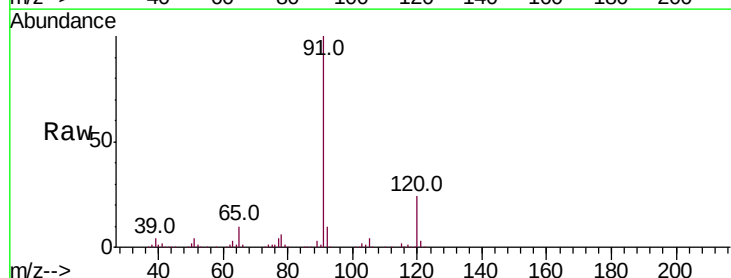
RT: 12.59 min Scan# 3365

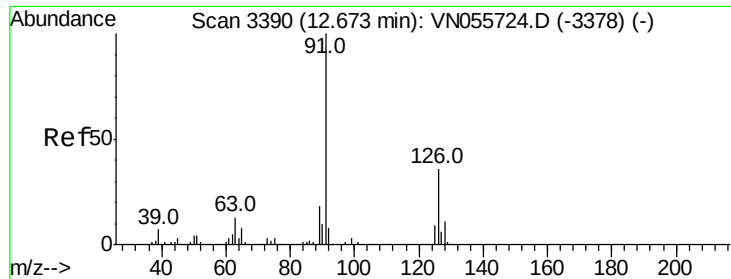
Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	91	Resp:	334587
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	47.4





#75

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion: 91 Resp: 210646

Ion Ratio Lower Upper

91 100

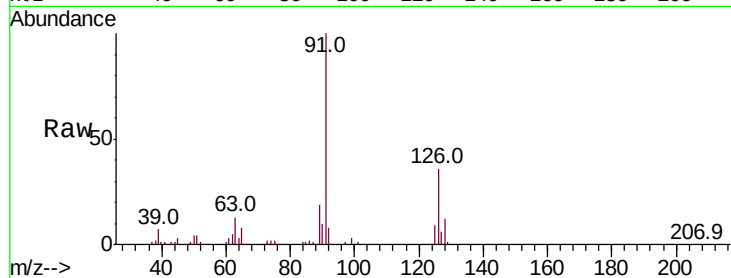
126 35.7 0.0 71.0

Manual Integrations

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5/28/2019 10:36:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

200000

150000

100000

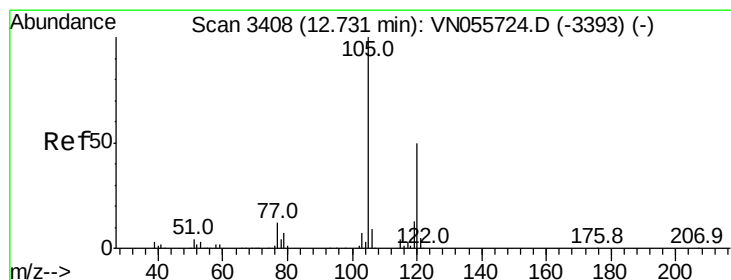
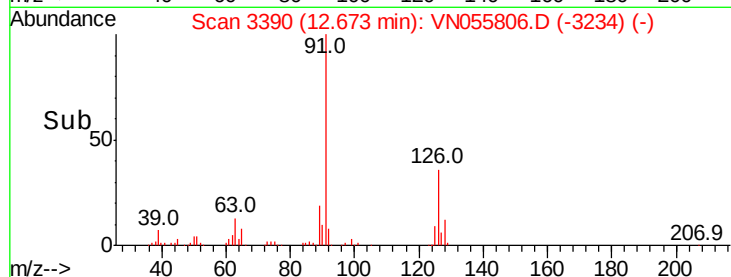
50000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.789 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055806.D

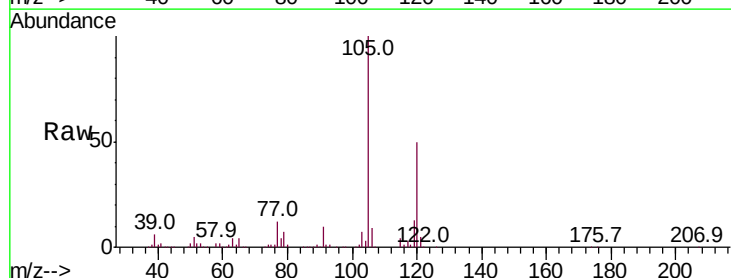
Acq: 24 May 2019 19:28

Tgt Ion:105 Resp: 264058

Ion Ratio Lower Upper

105 100

120 50.3 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

150000

100000

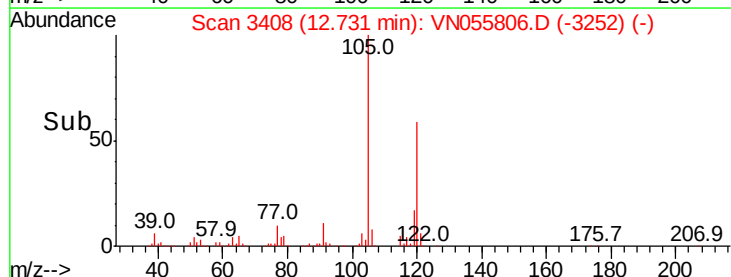
50000

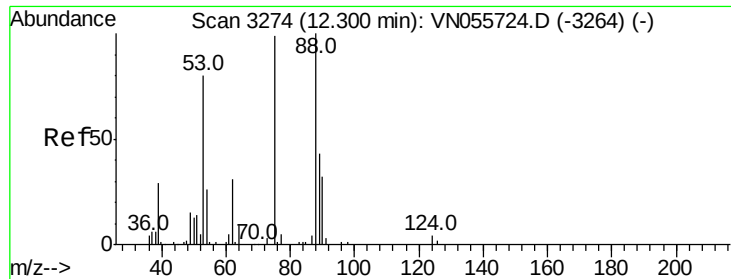
0

12.65 12.70 12.75 12.80

12.73

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.044 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

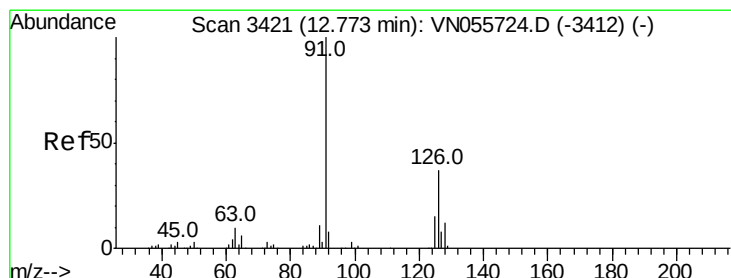
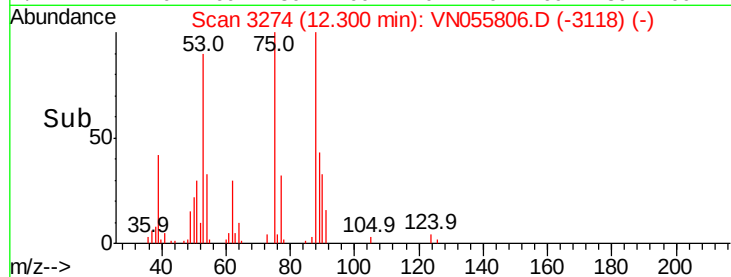
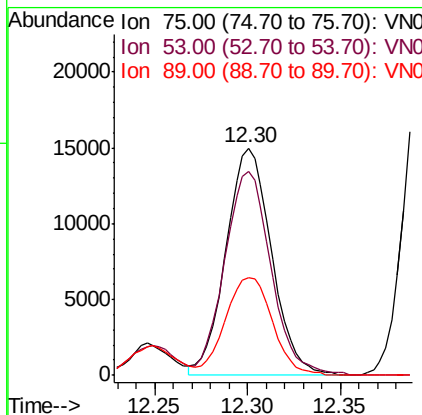
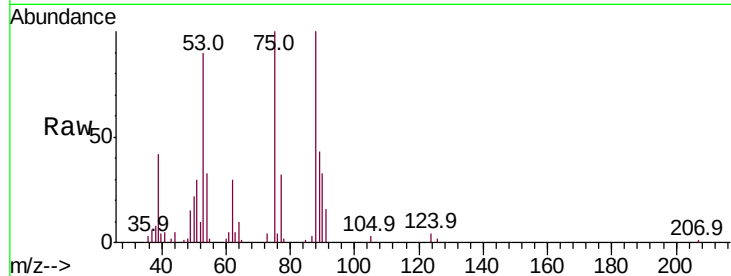
ClientSampleId :

VN0524WBSD01

Tot Ion:	75	Resp:	25551
Ion	Ratio	Lower	Upper
75	100		
53	88.7	40.1	120.3
89	42.9	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.279 ug/l

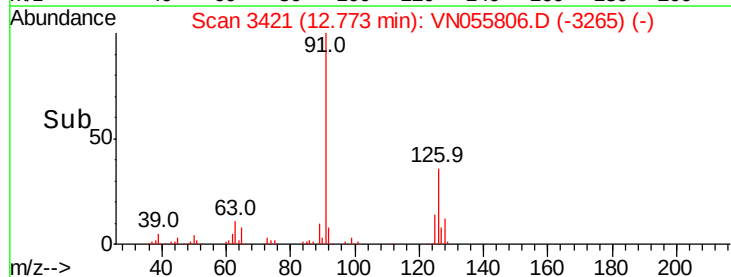
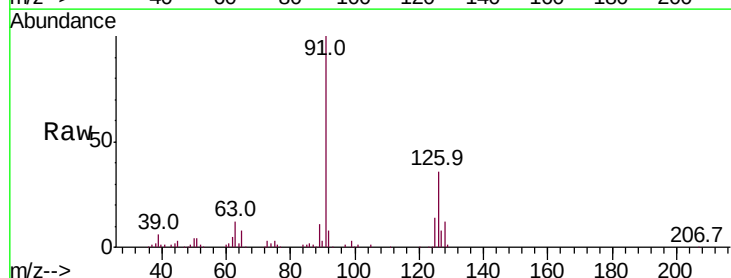
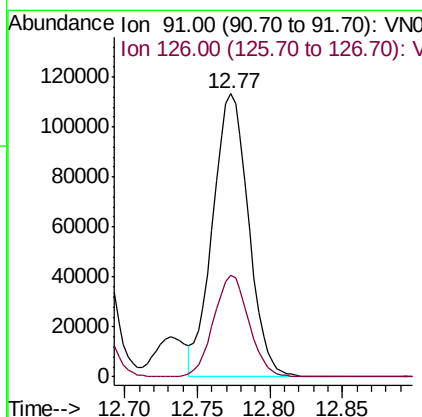
RT: 12.77 min Scan# 3421

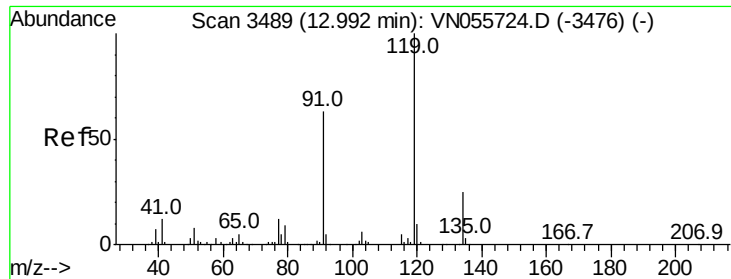
Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	91	Resp:	194323
Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	69.0





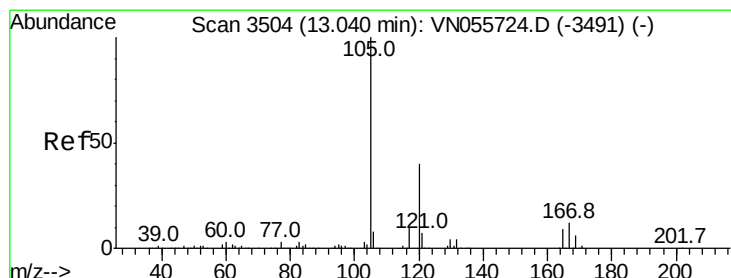
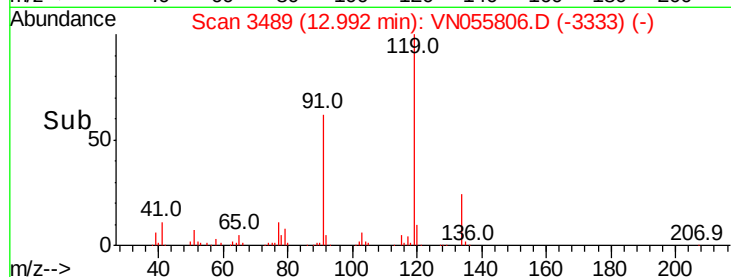
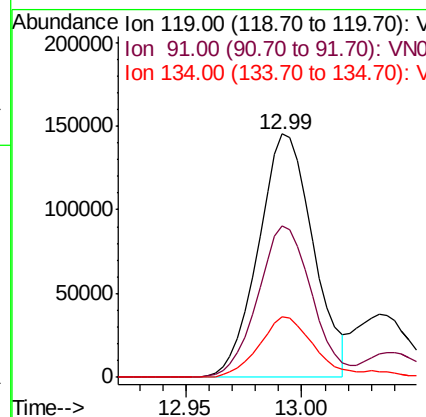
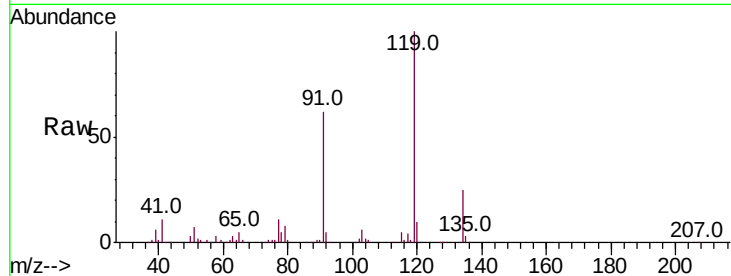
#79
tert-butylbenzene
Concen: 20.338 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238584		
91	61.0		0.0	123.8
134	24.5		0.0	52.6

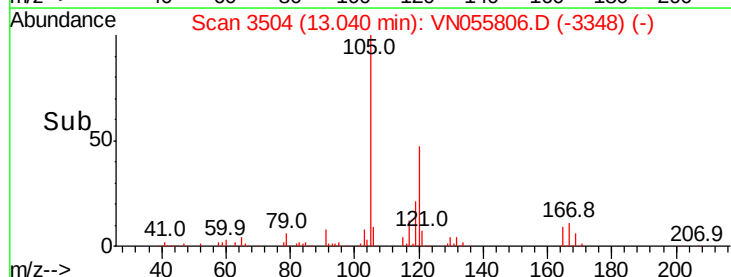
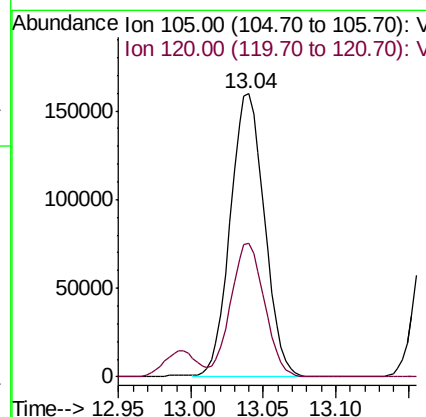
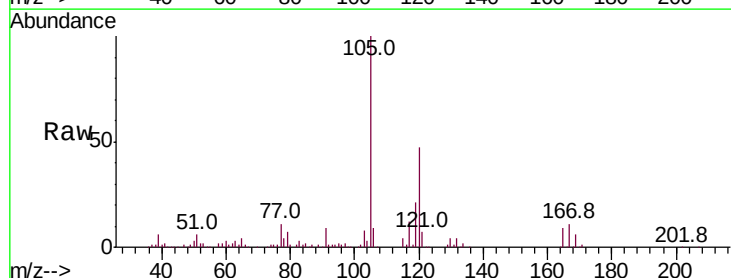
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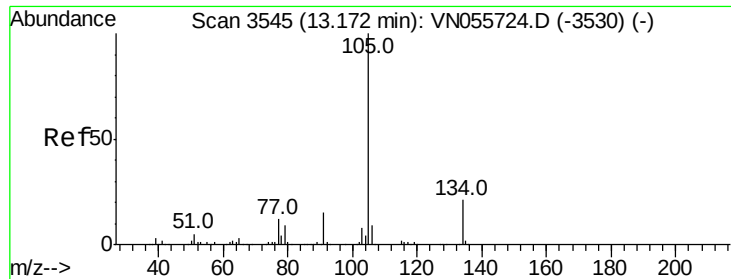
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.704 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055806.D
Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261007		
120	46.8		0.0	93.6





#81

sec-Butylbenzene

Concen: 19.766 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD01

Tot Ion:105 Resp: 294613

Ion Ratio Lower Upper

105 100

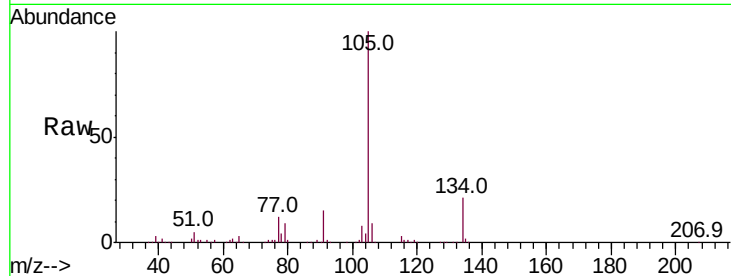
134 20.8 0.0 41.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

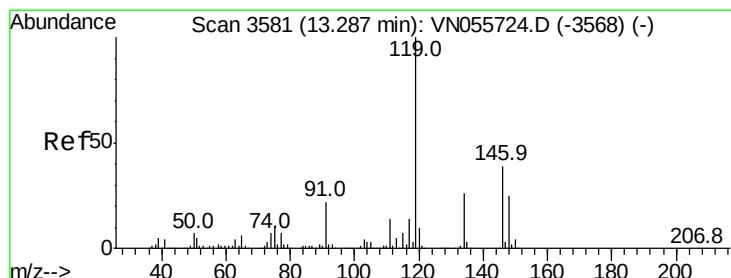
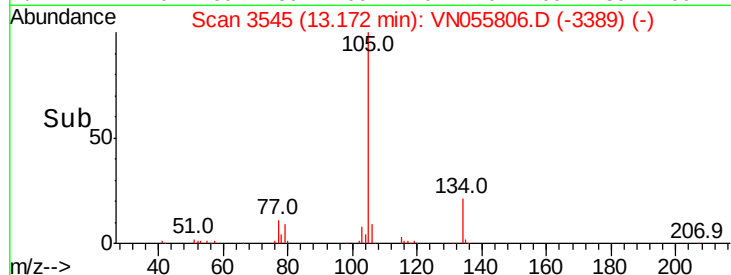
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.257 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

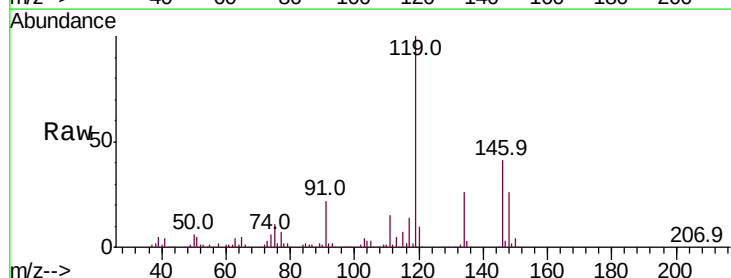
Tgt Ion:119 Resp: 264151

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.0

91 21.6 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

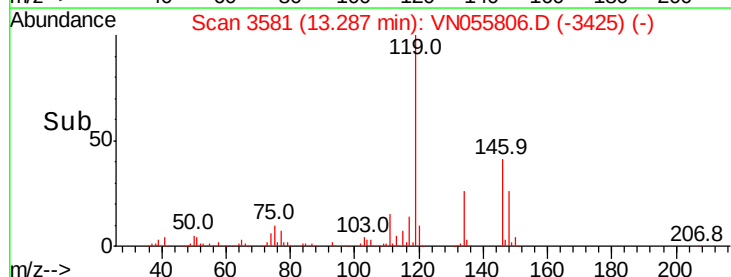
150000

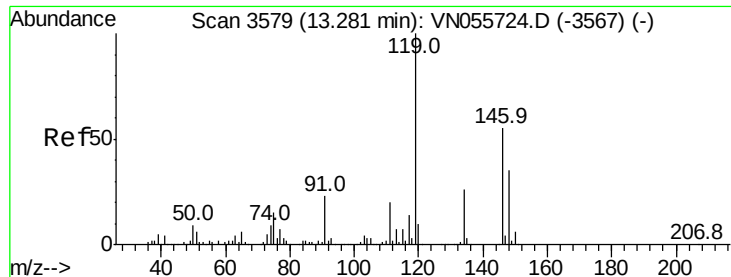
100000

50000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 19.392 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

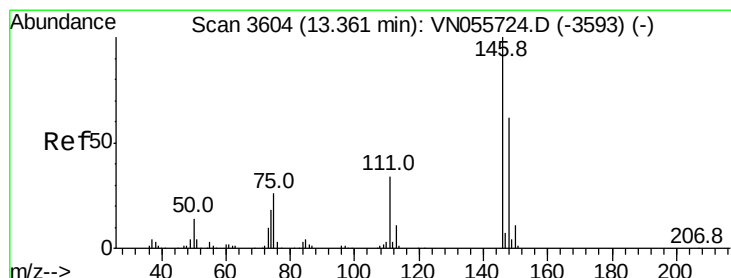
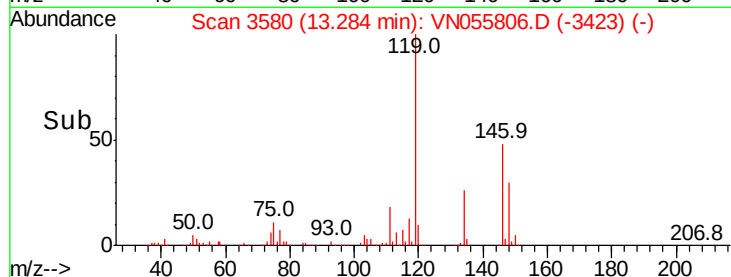
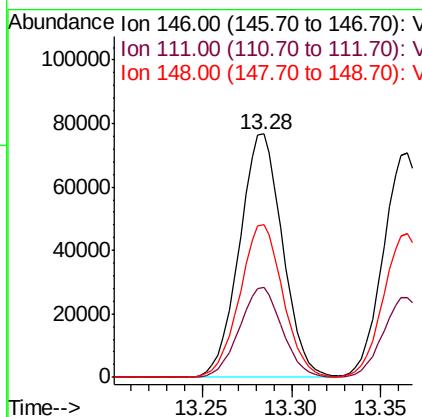
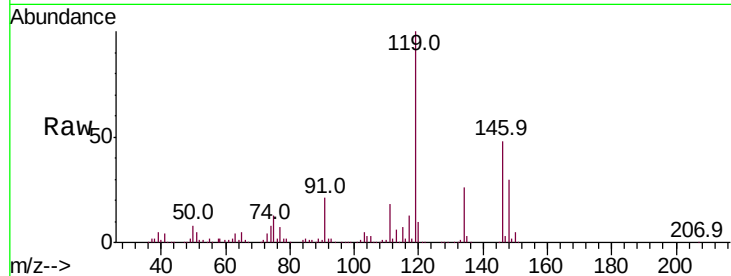
ClientSampled :

VN0524WBSD01

Tot Ion:	146	Resp:	129825
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.6	55.6
148	63.0	32.2	96.6

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#84

1,4-Dichlorobenzene

Concen: 18.871 ug/l

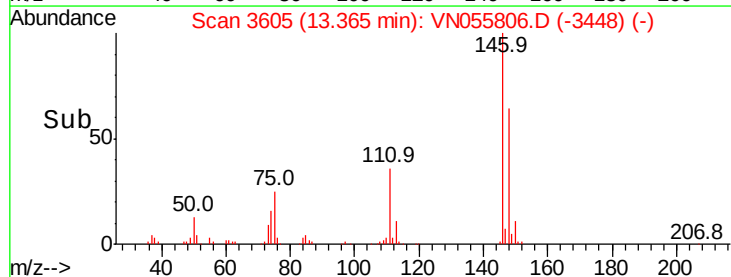
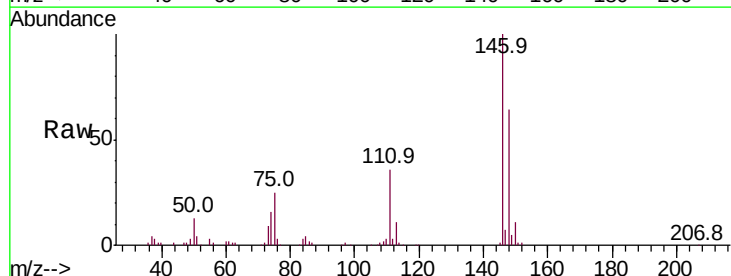
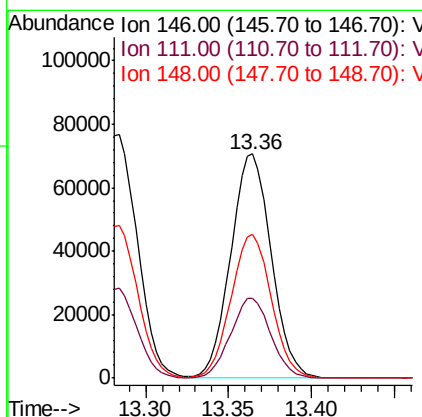
RT: 13.36 min Scan# 3605

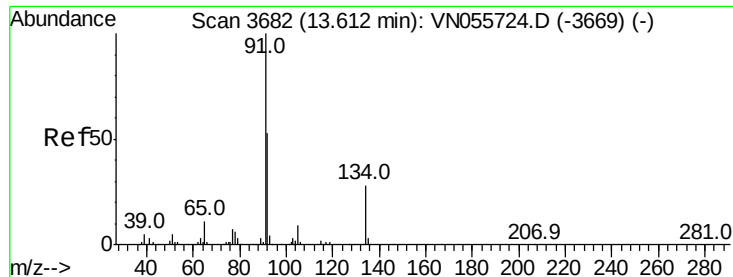
Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	146	Resp:	120317
Ion Ratio	Lower	Upper	
146	100		
111	34.6	17.5	52.6
148	63.7	31.8	95.4





#85

n-Butylbenzene

Concen: 17.435 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

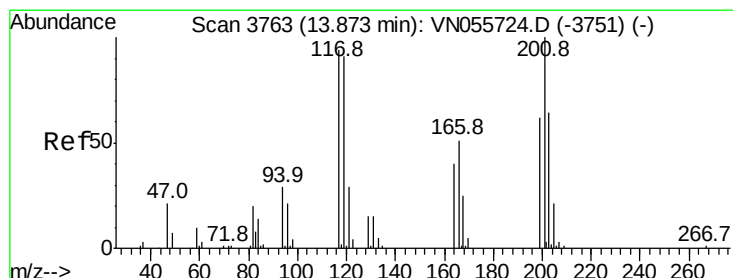
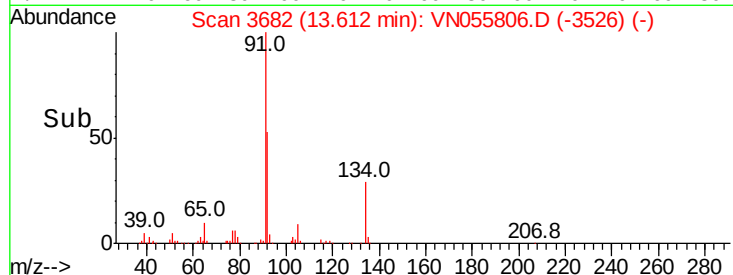
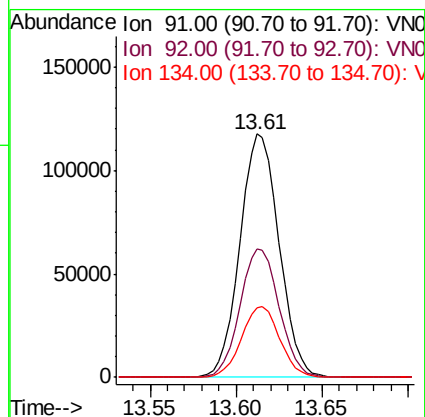
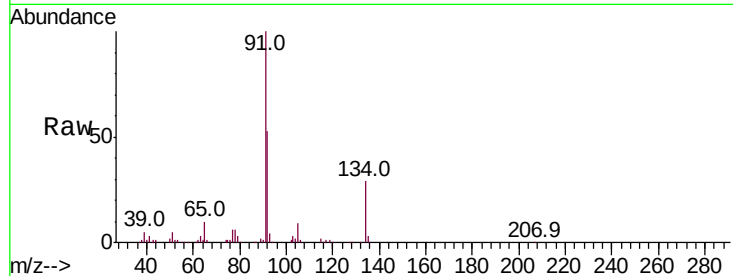
ClientSampleId :

VN0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	186056		
92	52.6	0.0	106.8	
134	28.5	0.0	55.2	

Manual Integrations
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#86

Hexachloroethane

Concen: 17.277 ug/l

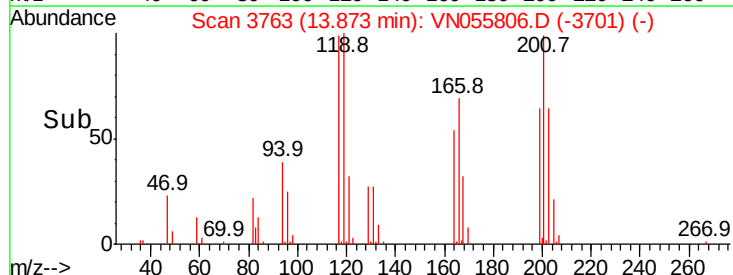
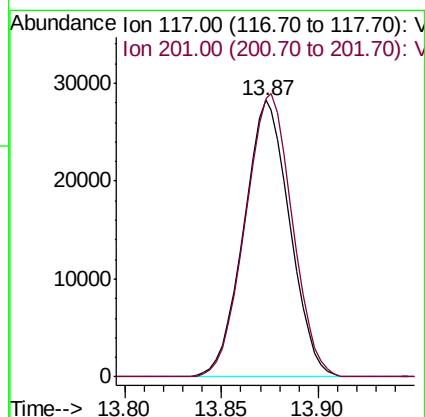
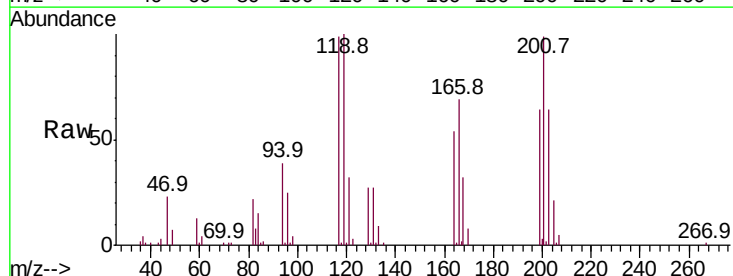
RT: 13.87 min Scan# 3763

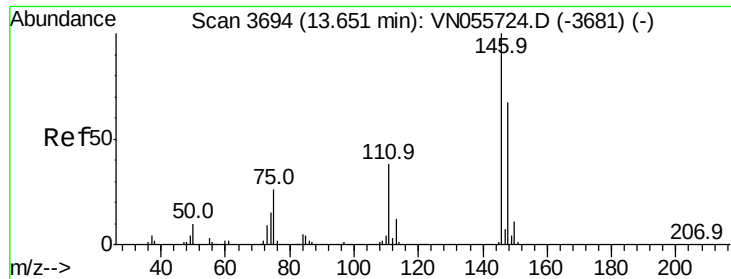
Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46613		
201	104.7	52.5	157.6	





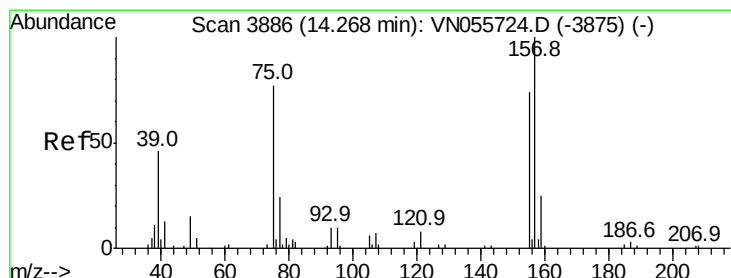
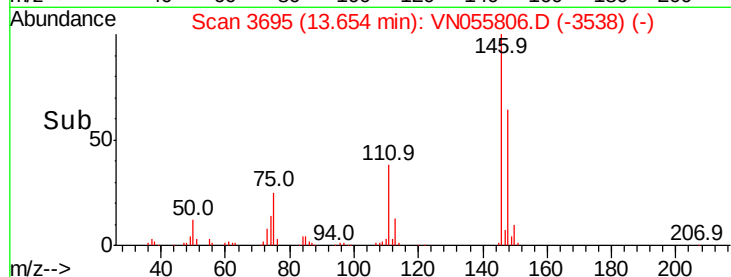
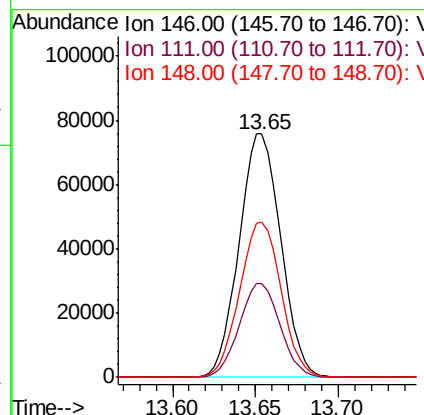
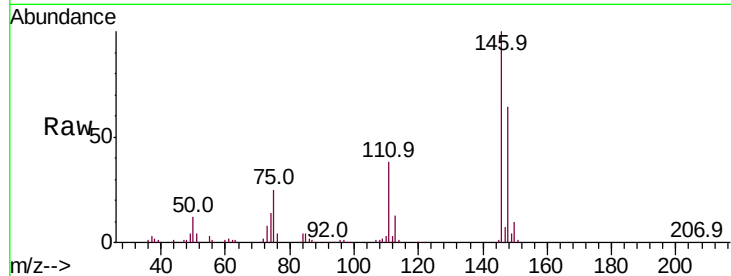
#87
 1,2-Dichlorobenzene
 Concen: 19.708 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.2	57.6
148	63.2	32.7	98.1

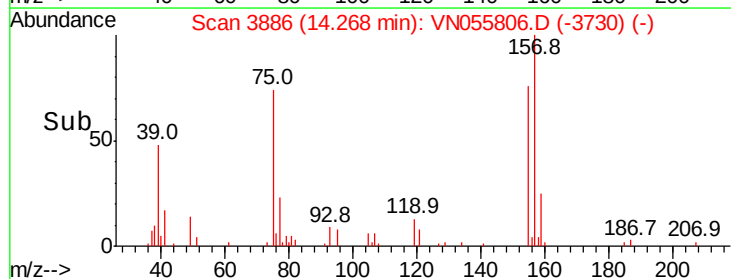
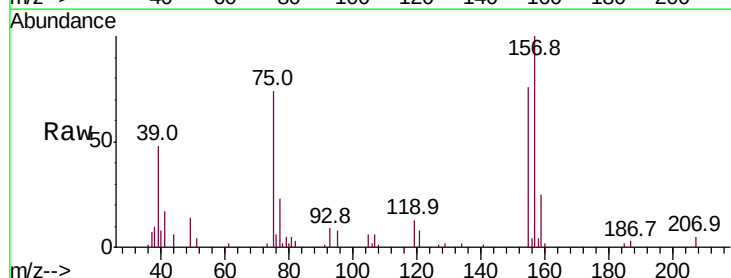
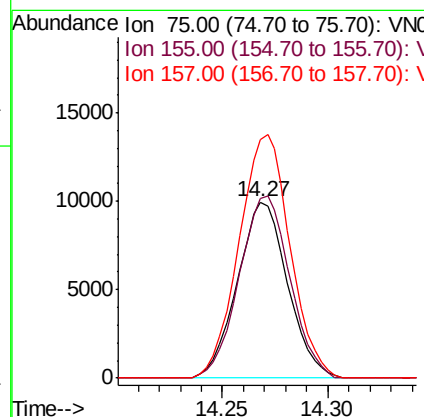
Manual Integrations
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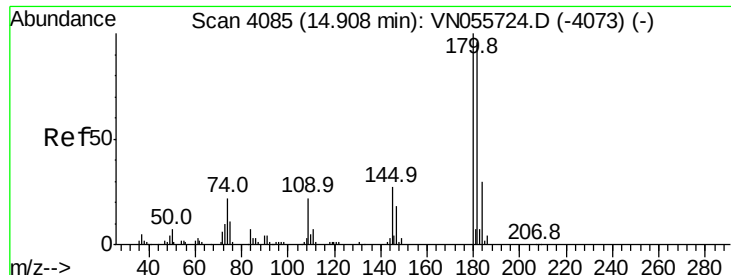
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.496 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	78.4	117.6
157	140.3	105.0	157.4





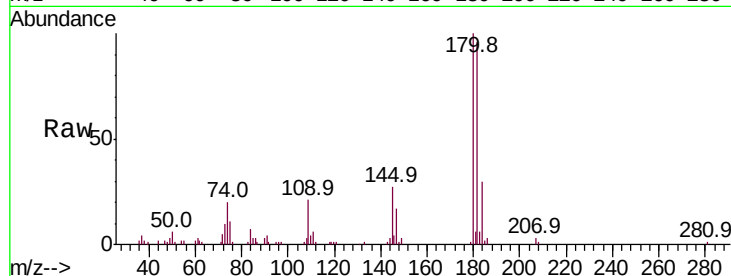
#89
 1,2,4-Trichlorobenzene
 Concen: 16.220 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
145	27.6	21.8	32.8

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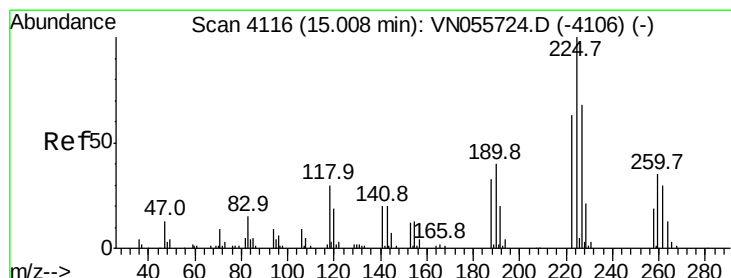
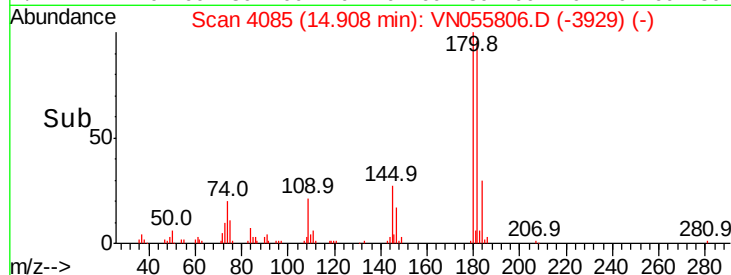
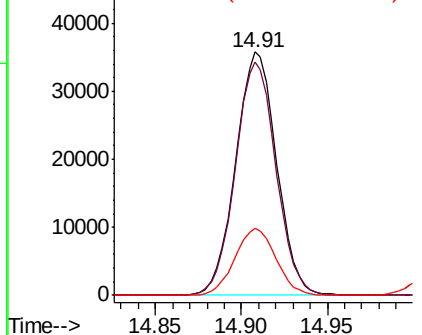


Abundance

Ion 180.00 (179.70 to 180.70): V

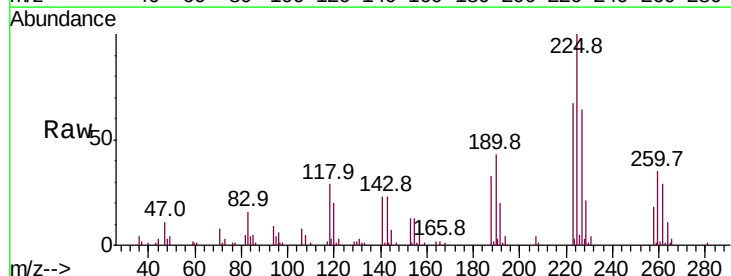
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 17.998 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055806.D
 Acq: 24 May 2019 19:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	126.0
227	64.1	0.0	133.0

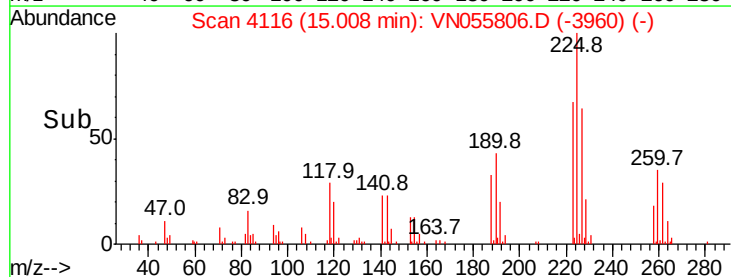
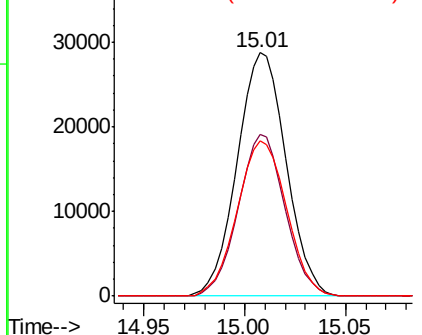


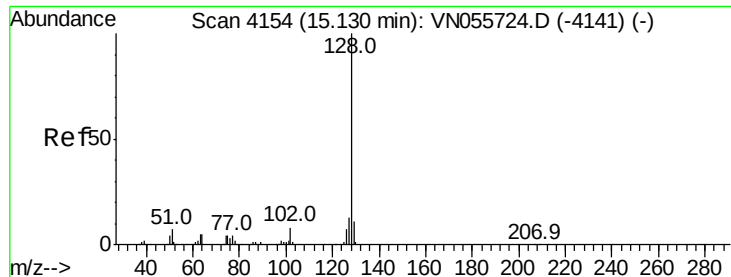
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.396 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Instrument :

MSVOA_N

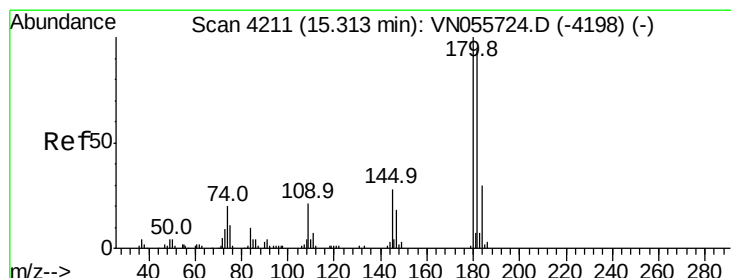
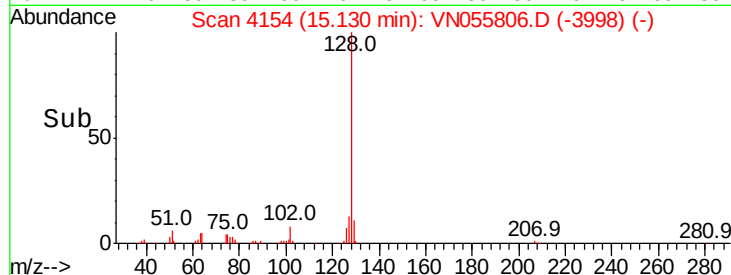
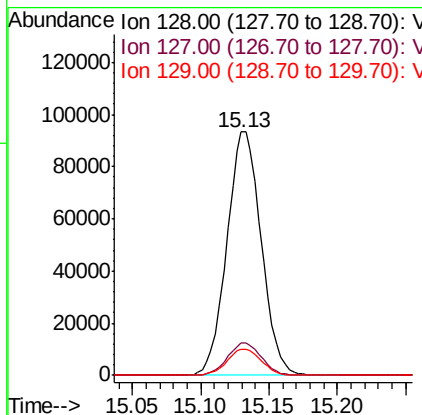
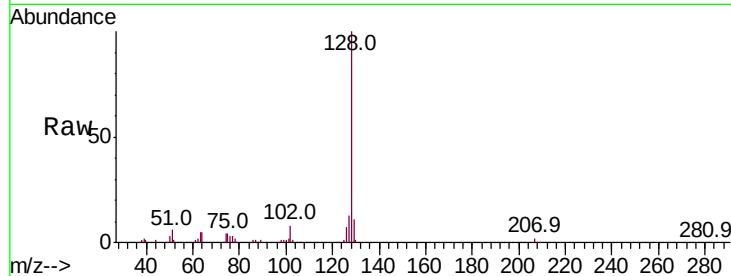
ClientSampleId :

VN0524WBSD01

Tot Ion:	128	Resp:	163020
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.7	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 17.136 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055806.D

Acq: 24 May 2019 19:28

Tgt Ion:	180	Resp:	65170
Ion Ratio	Lower	Upper	
180	100		
182	96.3	0.0	188.6
145	29.6	0.0	56.8

